



«

»

μ , 2018



μ :

μ

μ

μ μ :

(επιβλέπων)

· , μ μ  
μ . μ  
, , μ μ , μ  
μ μ , μ .





## **ABSTRACT**

Learning Difficulties have been a problem in the last decades, involving thousands of students, teachers and parents alike. Since problems with reading, writing and / or math are recognizable problems during school years, signs and symptoms of learning difficulties are more often diagnosed at that time.

The subject of this diploma thesis is to create a web application that will allow the teacher to identify which of the pupils may experience difficulties in written, oral or mathematical reasoning. Although the results of the students in the exercises presented in the application should never be considered as absolute, they will enable the teacher to focus where there is a greater need, and then by using more specialized tools to detect learning difficulties, provide the assistance required, on a case-by-case basis.

For the collection of the data, Greek and foreign bibliography were used. The database has been developed using the XAMPP program, and PHP and MySQL programming languages.

**Keywords:** Learning difficulties, web application, diagnostic tools, detection

ΠΕΡΙΛΗΨΗ .....	1
ABSTRACT .....	2
Περιεχόμενα .....	3
Κεφάλαιο 1: Εισαγωγή .....	5
1.1 Ορισμός μαθησιακών δυσκολιών .....	5
1.2 Κατηγορίες μαθησιακών δυσκολιών .....	6
1.3 Δομή της παρούσας εργασίας .....	7
Κεφάλαιο 2: HTML, PHP και XAMPP .....	9
Εισαγωγή .....	9
2.1 HTML .....	9
2.2 PHP .....	11
2.3 XAMPP .....	13
2.3.1 MYSQL .....	14
2.3.2 phpMyAdmin .....	15
Κεφάλαιο 3: Η βάση δεδομένων .....	18
Εισαγωγή .....	18
3.1 Σχεδιασμός βάσης δεδομένων .....	19
3.1.1 Πρώτη Κανονική Μορφή (1NF) .....	19
3.1.2 Δεύτερη Κανονική Μορφή (2NF) .....	20
3.1.3 Τρίτη Κανονική Μορφή (3NF) .....	20
3.2 Η βάση δεδομένων της εφαρμογής μας .....	21
3.2.1 Ο πίνακας teachers .....	21
3.2.2 Ο πίνακας students .....	22
3.2.3 Ο πίνακας sessions .....	23
3.2.4 Ο πίνακας scores .....	24
Κεφάλαιο 4: Σύνδεση στην εφαρμογή και κεντρικό μενού .....	26
Εισαγωγή .....	26
4.1 Το αρχείο index.php .....	26
4.2 Τα αρχεία login.php και login-student.php .....	32
4.3 Το αρχείο panel.php .....	35
4.4 Το αρχείο admin.php .....	37



4.5 Τα αρχεία register.php και record-student.php .....	46
4.6 Τα αρχεία viewstudents.php και results.php.....	48
4.7 Το αρχείο delete-student.php.....	53
4.8 Τα αρχεία edit-student.php και edit.php.....	54
4.9 Το αρχείο logout.php .....	56
4.10 Το αρχείο styles.css .....	56
4.11 Παραδείγματα.....	57
Κεφάλαιο 5: Οι ασκήσεις της εφαρμογής.....	58
Εισαγωγή.....	58
5.1 Οι ασκήσεις 1 και 2 .....	58
5.1.1 Το αρχείο askisi1_intro.php .....	58
5.1.2 Το αρχείο askisi1.php .....	61
5.1.3 Το αρχείο score1.php.....	66
5.2 Η άσκηση 3 .....	68
5.3 Οι ασκήσεις 4 και 5 .....	69
5.4 Η άσκηση 6.....	70
5.5 Η άσκηση 7 .....	71
5.6 Η άσκηση 8.....	73
5.7 Η άσκηση 9.....	73
Κεφάλαιο 6: Συμπεράσματα .....	76
Βιβλιογραφία .....	77











- Language HTML μ , -

HTML μ μ (tags).  
 μ html μ  
 μμ ( μ ), Internet Explorer  
 Mozilla Firefox. μμ μ

μ μ μ , μ HTML  
 . μ μ . μ  
 μ μ HTML,  
 μ μ ((Notepad)) Windows μ μ μ  
 Notebook++

μμ μ .

μ HTML.  
 μ < >. μμ  
 , μ μ  
 . μ μ  
 μμ , μ .  
 μ μ  
 μ . HTML , <p> </p>.

- HTML μ <html>. μ  
 browser μ μμ HTML .  
 μ
- H <head> . μ μ  
 μ browser HTML

- `<title>` . browser.
- `<head>` `</head>`. browser.
- `<body>` HTML .
- HTML `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>` `<h6>`.  
`<h1>` `<h6>` .
- `<div>` HTML `<div>...</div>` style.  
`<div>` HTML.
- `<br>` .
- `<a href= "...."> .... </a>` .  
`<a>` `</a>`.

## 2.2 PHP

PHP `<?php` `</?php` HTML.

PHP `<?php` HTML, `</?php` .

PHP `<?php` `</?php` HTML.



μ , PHP , , μ  
 . , μ  
 μ μ μ , , , μ  
 μ . ( PHP μ ) μ . μ  
 μμ , μ μ  
 μμ μ . , PHP μ μ , μ  
 μ . μ μ , PHP  
 μμ μ μ μ μ .  
 PHP μ μ μ (server-side). μ  
 PHP μ μ (server).  
 PHP μ μ μ , Apache IIS (Internet Information  
 Services), PHP μ (http://...).  
 μ μμ PHP, μ  
 PHP ( ) . PHP μ  
 ( μ ) HTML μ (browser), μ  
 μ . μ  
 μ μ HTML μ  
 μ . μ , μ μ  
 μ HTML μ μ μ .  
 μ PHP , \*.php,  
 \*.php4, \*.phtml . . μ PHP .html  
 μ μ μ ,  
 μ server. html,  
 php μ μ μ μ  
 μ μ μ . PHP  
 μ (tags) μ , <?php ?>.  
 PHP μ μ μ  
 . μ PHP μ

μ , μ  
μ PHP parser.

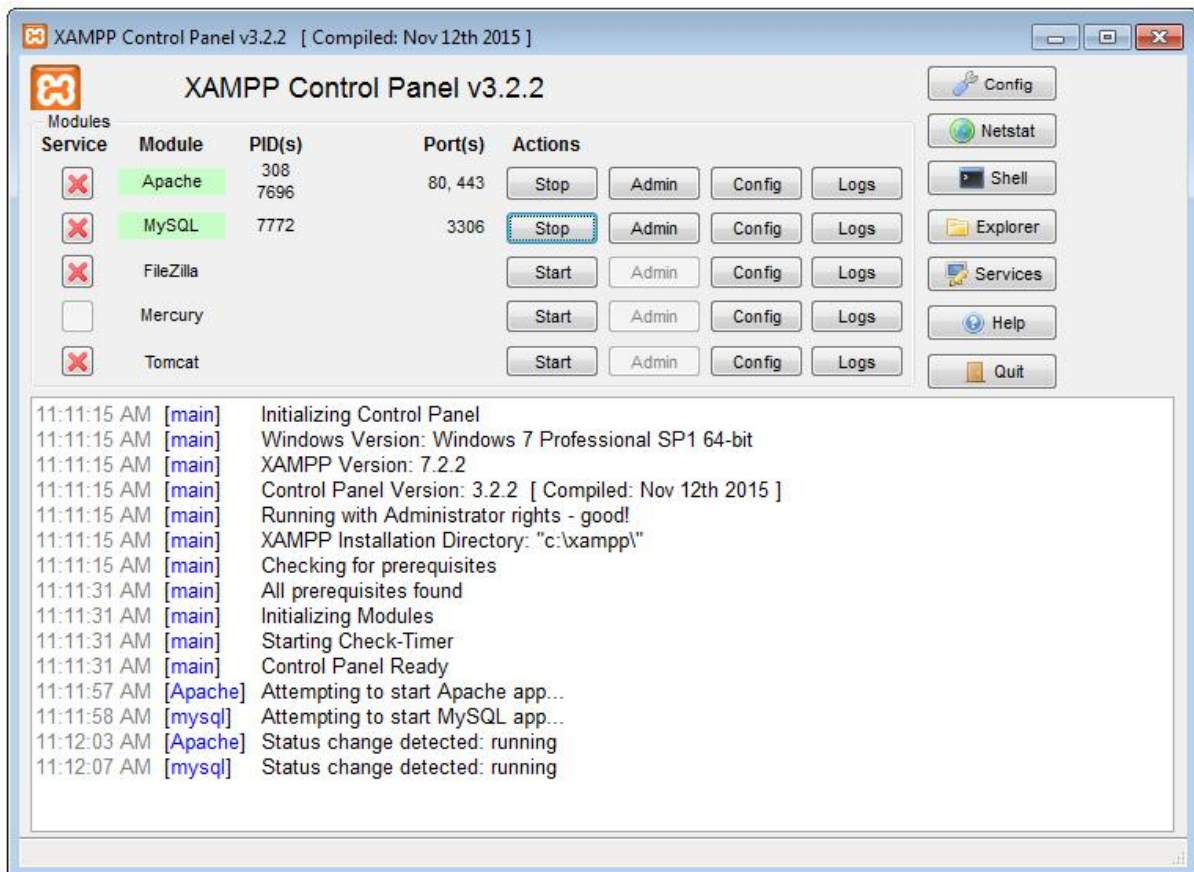
## 2.3 XAMPP

XAMPP μ  
Apache friends. μ XAMPP μ Apache μ  
Apache, MariaDB, PHP Perl. μ .  
μ μ ,  
μ μ μ μ μ μ μ μ  
XAMPP μ μ  
μ MYSQL, PHP, Apache Perl .  
μ XAMPP μ . , μ μ  
μ Apache Friends.  
"XAMPP Apache + MariaDB + PHP + Perl",  
μ μ μ .  
μ μ . X μ Cross-platform, ( ) Apache  
server, (M) MariaDB ( : MySQL [5] [7]), (P) PHP (P) Perl. Cross-platform  
μ μ μ  
μ . μ MariaDB μ μ  
μ μ . μ μ μ  
MySQL μ « » (open source). μ  
MariaDB μ Wikipedia, WordPress.com Google.

XAMPP μ  
7.2.11. XAMPP μ Windows  
, Apache 2.4.35, MariaDB 10.1.36, PHP 7.2.11, phpMyAdmin 4.8.3,  
OpenSSL, Tomcat 7.0.56, Strawberry Perl 7.0.56, MySQL.  
2.1 Control Panel XAMPP,  
μ μ . 2.1 μ  
Apache MySQL μ

μ μ μ μ . μ μ μ μ  
 phpMyAdmin, PHP μ μ μ , MYSQL

## . 2.1 XAMPP



### 2.3.1 MYSQL

μ μ μ μ  
 μ MySQL. MySQL  
 μ μ μ μ , PHP,  
 μ μ . MySQL, PHP, μ μ ,  
 μ μ μ μ .  
 μ , MySQL μ

μ μ μ Facebook, Twitter YouTube. MySQL Server, MySQL ( ). MySQL, MySQL Server μ MySQL, μ MySQL, μ InnoDB, CSV NDB. MySQL μ SQL.

### 2.3.2 phpMyAdmin

phpMyAdmin μ μμ PHP, MySQL μ MariaDB. μ μ ( μ , , , , , μ . ) μ μ SQL. μμ μ :

- Web (web interface)
- μ MySQL MariaDB
- μ CSV SQL
- μ μ : CSV, SQL, XML, PDF (μ TCPDF), ISO / IEC 26300 - μ OpenDocument, Word, Excel, LaTeX
- μ PDF μ
- μ μ μ query-by-example (QBE)

- MySQL
- BLOB
- CPU /
- SQL

To (browser).  
<http://localhost/phpmyadmin>.

1.2 browser

## 2.2

The screenshot shows the phpMyAdmin interface. At the top, there is a navigation bar with buttons for Structure, SQL, Search, Query, Export, Import, Operations, and More. Below this is a 'Filters' section with a search box labeled 'Containing the word:'. The main area displays a table structure overview with columns for Table, Action, Rows, Type, and Collation. There are four tables listed: scores (20 rows), sessions (5 rows), students (5 rows), and teachers (3 rows). Each table has a set of actions: Browse, Structure, Search, Insert, Empty, and Drop. At the bottom, there is a '4 tables Sum' section and a 'With selected:' dropdown menu.

Table	Action	Rows	Type	Collation
scores	Browse Structure Search Insert Empty Drop	20	InnoDB	utf8_unicode_ci
sessions	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8_unicode_ci
students	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8_unicode_ci
teachers	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8_unicode_ci

4 tables Sum

With selected:

1.3

μ μ students μ μ .  
 Edit μ μ  
 μ μ , μ Delete, μ μ  
 μ μ . μ , μ μ μ μ  
 μ μ (id, username, etc.)

### 2.3 μ students

✓ Showing rows 0 - 4 (5 total, Query took 0.0000 seconds.)

```
SELECT * FROM `students`
```

Profiling [Edit inline] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows:  Filter rows:  Sort by key:

+ Options

	id	username	password	age	gender	class	grades	isAdmin
<input type="checkbox"/> Edit Copy Delete	6	Kostas	886548222d903dbbc42955a16d5b20c4	11	Αγόρι	E	0	0
<input type="checkbox"/> Edit Copy Delete	8	Mary	b8e7be5dfa2ce0714d21dcfc7d72382c	12	Κορίτσι	ΣΤ	42	0
<input type="checkbox"/> Edit Copy Delete	9	Eleni	d827988b390d813e6b1e5981c9864869	9	Κορίτσι	Δ	60	0
<input type="checkbox"/> Edit Copy Delete	11	Γιάννης	527bd5b5d689e2c32ae974c6229ff785	10	Αγόρι	E	57	0
<input type="checkbox"/> Edit Copy Delete	14	Μάριος	34fdc83694633da8363f643da9487b3e	11	Αγόρι	ΣΤ	0	0

Check all | With selected:  Edit  Copy  Delete  Export

Show all | Number of rows:  Filter rows:  Sort by key:

### 3: μ

μ ( ) μ μ μ  
μ μ ,  
μ . μ μ  
μ – (*DataBase Management Systems - DBMS*). μ  
μ , , μ μ μ  
μ . μ μ  
μμ μ , μ μ  
μ μ .  
μ μ : μ , μ  
μ μ μ  
, μ μ . μ  
, μ .  
μ μ , / μ , μ  
μ . μ  
μ μ μ , ,  
μ , .  
μ μ μ , ,  
μ μ . μ μ  
, μ μ μ ,  
μ .

### 3.1 $\mu \mu$

$\mu \mu \mu \mu \mu \mu$   
 $\mu \cdot \mu \mu \mu \mu \mu \mu$   
 $\mu \mu \cdot \mu \mu \mu \mu \mu \mu$   
 $\mu \mu \cdot \mu \mu \mu \mu \mu \mu$

$\mu$ ,  $\mu \mu$  (data modeling),  $\mu \mu \mu \mu \mu \mu$   
 $\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$  « » (normalization),

$\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$   
 $\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$   
 $\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$

$\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$   
 $\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$   
 $\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$

$\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$   
 $\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$   
 $\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$

« (1NF)».  
 $\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$   
« (3NF)».

#### 3.1.1 (1NF)

$\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$   
 $\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$   
 $\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$   
 $\mu \mu \mu \mu \mu \mu \mu \mu \mu \mu$



- $\mu \rightarrow \mu$
- $\mu \rightarrow \mu$
- $\mu \rightarrow \mu$
- $\mu \rightarrow \mu$
- $\mu \rightarrow \mu$
- $\mu \rightarrow \mu$

### 3.1.2 (2NF)

$\mu \rightarrow \mu$  ,

- $\mu \rightarrow \mu$
- $( \dots )$

$\mu \rightarrow \mu$  ,  
 $\mu \rightarrow \mu$  .

### 3.1.3 (3NF)

$\mu \rightarrow \mu$  ,

- $\mu \rightarrow \mu$
- $\mu \rightarrow \mu$

$\mu \rightarrow \mu$  ,  
 $\mu \rightarrow \mu$  .  
 $( \mu , \mu , \mu , \mu , \mu , \mu , \mu )$  ,  
 $\mu \rightarrow \mu$  .  
 $\mu ( \mu , \mu )$  .



```

CREATE TABLE teachers (
  username VARCHAR(15) COLLATE utf8_unicode_ci NOT NULL,
  password VARCHAR(50) COLLATE utf8_unicode_ci NOT NULL,
  fullName VARCHAR(25) COLLATE utf8_unicode_ci NOT NULL,
  isAdmin INT(11) NOT NULL DEFAULT '1',
  PRIMARY KEY (username)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci

```

```

CREATE TABLE 'teachers' (
'username' varchar(15) COLLATE utf8_unicode_ci NOT NULL,
'password' varchar(50) COLLATE utf8_unicode_ci NOT NULL,
'fullName' varchar(25) COLLATE utf8_unicode_ci NOT NULL,
'isAdmin' int(11) NOT NULL DEFAULT '1',
PRIMARY KEY ('username')
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci

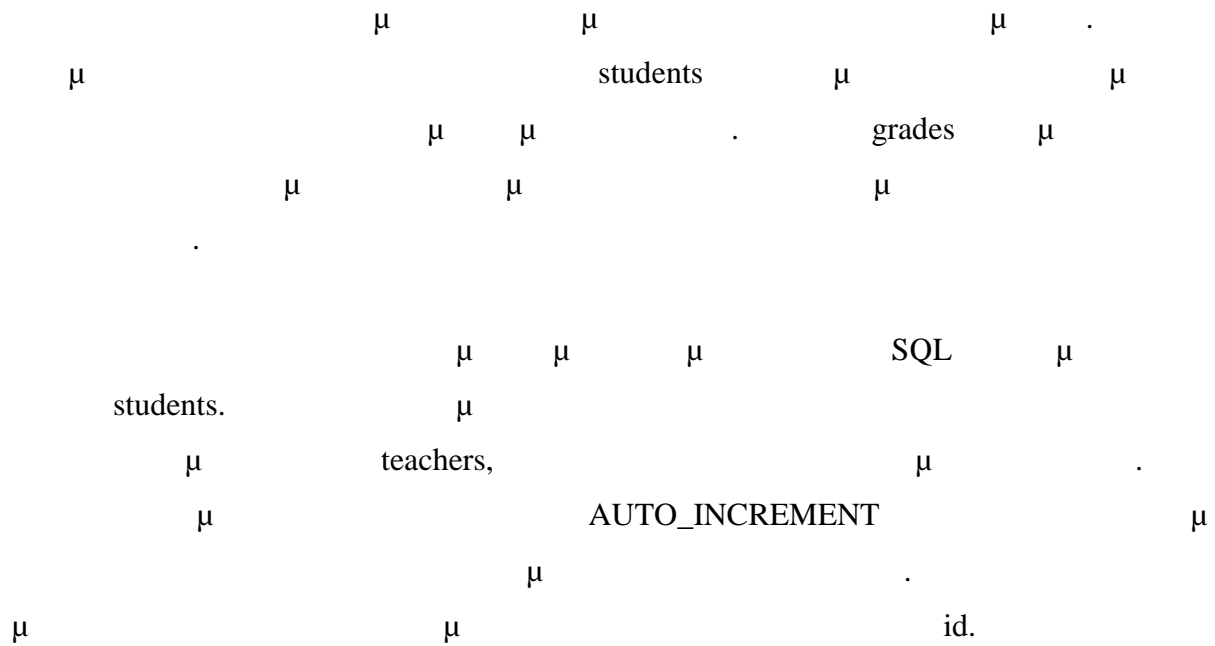
```

### 3.2.2 students

```

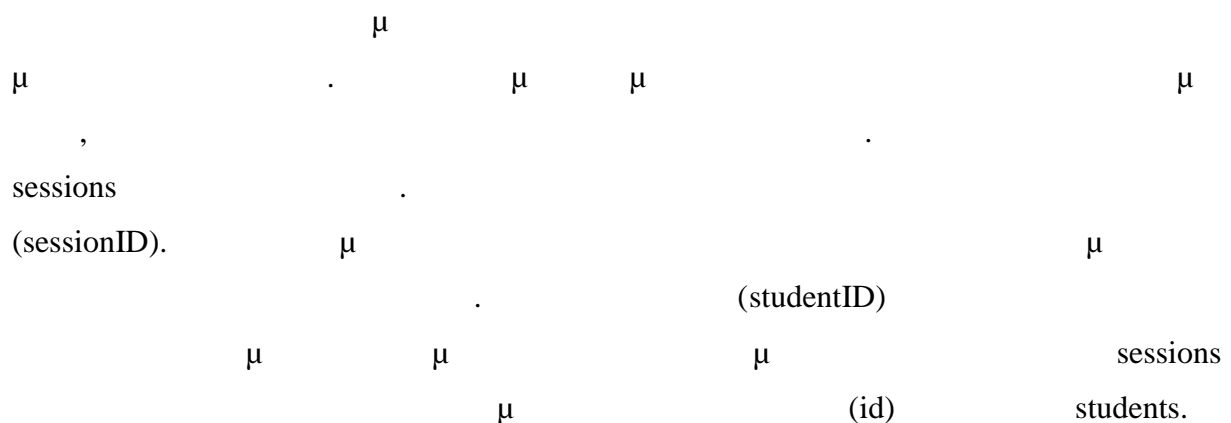
CREATE TABLE students (
  username VARCHAR(15) COLLATE utf8_unicode_ci NOT NULL,
  password VARCHAR(50) COLLATE utf8_unicode_ci NOT NULL,
  age INT(11) NOT NULL,
  gender VARCHAR(10) COLLATE utf8_unicode_ci NOT NULL,
  class VARCHAR(25) COLLATE utf8_unicode_ci NOT NULL,
  isadmin INT(11) NOT NULL DEFAULT '0',
  PRIMARY KEY (username)
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci

```



```
CREATE TABLE 'students' (
  'id' int(11) NOT NULL AUTO_INCREMENT,
  'username' varchar(50) COLLATE utf8_unicode_ci NOT NULL,
  'password' varchar(100) COLLATE utf8_unicode_ci NOT NULL,
  'age' int(11) NOT NULL,
  'gender' varchar(15) COLLATE utf8_unicode_ci NOT NULL,
  'class' varchar(15) COLLATE utf8_unicode_ci NOT NULL,
  'grades' int(11) NOT NULL,
  'isAdmin' int(1) NOT NULL DEFAULT '0',
  PRIMARY KEY ('id')
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci
```

### 3.2.3 sessions



```

        (score)
    ,
        sessions
        PHP
        students.
        studentID

```

```

CREATE TABLE 'sessions' (
    'sessionID' int(11) NOT NULL AUTO_INCREMENT,
    'studentID' int(11) NOT NULL,
    'score' int(11) NOT NULL,
    'date' timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
    CURRENT_TIMESTAMP,
    PRIMARY KEY ('sessionID'),
    KEY 'studentID' ('studentID')
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci

```

### 3.2.4 scores

```

        scores
        (scoreID).
        scores,
        scoreID
        scores.
        scores,

```

scores.

```
CREATE TABLE 'scores' (  
  'scoreID' int(11) NOT NULL AUTO_INCREMENT,  
  'askID' int(11) NOT NULL,  
  'score' int(11) NOT NULL,  
  'sessionID' int(11) NOT NULL,  
  PRIMARY KEY ('scoreID'),  
  KEY 'sessionID' ('sessionID')  
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci
```

```
CREATE TABLE 'scores' (  
  'scoreID' int(11) NOT NULL AUTO_INCREMENT,  
  'askID' int(11) NOT NULL,  
  'score' int(11) NOT NULL,  
  'sessionID' int(11) NOT NULL,  
  PRIMARY KEY ('scoreID'),  
  KEY 'sessionID' ('sessionID')  
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci
```

4:

μ

μ

/ php

μ

μ

μ

μ

μ

,

μ

,

μ

μ

.

μ

μ

,

μ

μ

μ

μ

μ

.

,

μ

H/Y

μ

μ

,

μ

μ

μ

,

Notepad++

μ

.

,

μ

μ

μ

μ

.

,

μ

.

## 4.1

### index.php

μ

μ

.

μ

.

μ

,

μ

μ

μ

,

μ

PHP

.

μ

PHP

μ

μ

μ

,

μ

(global variables).  
 session\_start(),  
 PHP: \$\_SESSION.  
 index.php,  
 PHP (script).  
 session\_start()

```

<?php
    session_start();
?>
  
```

HTML  
 bootstrap  
 Bootstrap  
 HTML CSS  
 JavaScript.

```

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.5.0/css/font-awesome.min.css">
<link rel="stylesheet" type="text/css" href="vendor/bootstrap-3.3.6-dist/css/bootstrap.min.css" />
  
```



```

        (body)
php script
        «
        »
        $_SESSION['user'].
        ,
        ,
script
        .

```

```

<?php if(isset($_SESSION['user'])) { ?>
    <li><a href="logout.php">
    </a></li>
<?php } ?>

```

```

        (
        )
        php scripts.
        ,
        ,
        ,
        ,
admin.php
        ,
        ,
script
(
).
        ,
        ,
        ,
        ,
panel.php
.

```

```

script
        $_SESSION['wrongpass']
        true,
        (username password)
        ,
        ,
        ,
        ,
$_SESSION['wrongpass']
        ,

```

```

<?php if(isset($_SESSION['admin'])&&$_SESSION['admin']==1) { ?>
    <div class="row text-center">
        <strong>                μ                .</strong> <br><br>
        <a role="button" class="btn btn-primary btn-lg" href="admin.php">
    </a>
    </div>
<?php } ?>

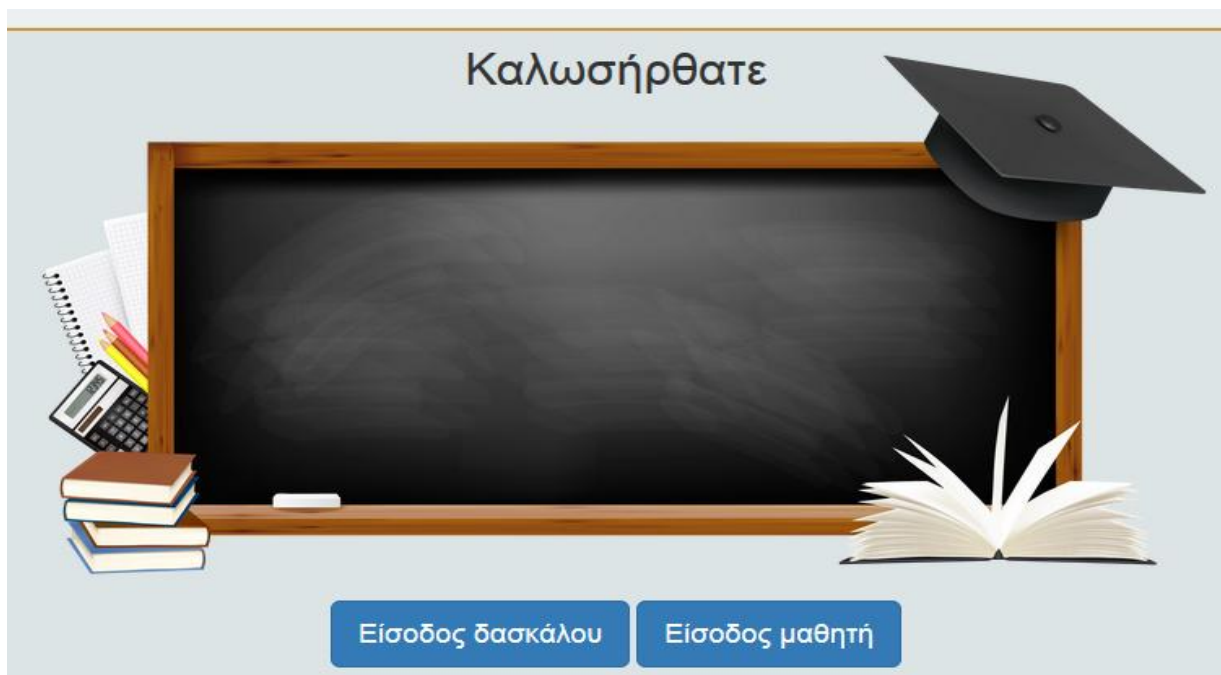
<?php if(isset($_SESSION['user'])&&$_SESSION['admin']==0) { ?>
    <div class="row text-center">
        <strong>                μ                .</strong> <br><br>
        <a role="button" class="btn btn-primary btn-lg" href="panel.php">
    </a>
    </div>
<?php } ?>

<?php if(isset($_SESSION['wrongpass'])) : ?>
    <div class="row">
        <div class=" text-center alert alert-danger">
            <strong>                !                μ                .</strong>
        </div>
    </div>
<?php endif; ?>

```

4.1

μ



php script index.php  
 μ , μ . μ  
 μ « », « μ » 4.1  
 μ (μ ) μ  
 index.php.  
 , μ  
 μ , μ . ,  
 μ μ μ « » μ  
 modal μ «myModal». modal  
 μ μ  
 μ μ μ . μ μ  
 μ μ μ .  
 μ Bootstrap μ .  
 μ μ μ ,  
 , μ « »,  
 μ μ μ  
 (username) μ (password) μ μ  
 ‘user’ ‘pass’ . μ ‘ ’  
 μ μ ,  
 «login.php» .

```

<button type="button" class="btn btn-primary btn-lg" data-toggle="modal" data-
target="#myModal">
    </button>

<div class="modal fade" id="myModal" tabindex="-1" role="dialog" aria-
labelledby="myModalLabel">
  <div class="modal-dialog" role="document">
    <div class="modal-content">
      <div class="modal-header">
        <button type="button" class="close" data-dismiss="modal" aria-
label="Close"><span aria-hidden="true">&times;</span></button>
        <h4 class="text-left modal-title" id="myModalLabel">
            </h4>
      </div>
      <div class="text-left modal-body">
        <form action="login.php" method="POST">
  
```

```

<div class="form-group ">
  <label for="teacheruser"> μ </label>
  <input type="text" class="form-control" id="teacheruser" name="user"
placeholder="username">
  <br>
  <label for="exampleInputPassword1"> μ </label>
  <input type="password" class="form-control"
id="exampleInputPassword1" name="pass" placeholder="password">
</div>
<button type="submit" class="btn btn-default"> </button>
</form>
</div>
</div>
</div>
</div>

```

4.2 μ μ μ μ

```

        μ «      μ      »      μ      μ      μ      μ
«      μ      »      μ      μ      «login-
student.php»      «login.php».      index.php      μ      php
script      μ      μ      $_SESSION['wrongpass'] μ
        unset()      ,      μ      μ
        μ      μ      .

```

```

<?php
    unset($_SESSION['wrongpass']);
?>

```

## 4.2 login.php login-student.php

```

        login.php      μ      index.php
        μ
        .      μ
        .
html      .
        μ      μ      .      μ
        isset ($_POST)      (true),      μ      μ
        μ      MySQL      μ      μ      μ      askiseis
        μ      μ      .
        μ      ,      μ      μ      μ
        .      μ      μ      μ      μ      ,
        μ      μ      μ      μ      μ
        μ      $password,      μ      μ      md5()
        μ

```

```

if (isset ($_POST)){
    $con = mysqli_connect("localhost", "root", "", "askiseis");

    if (!$con) {
        die("Could not connect: ". mysql_error());
    }
    $password = mysqli_real_escape_string($con, $_POST["pass"]);
}

```

```
$password = md5($password);
```

md5() μ  
μ μ μ μ μ μ  
μ μ μ . MD5  
μ μ μ μ μ μ μ μ .  
μ μ μ μ μ μ (Prepared Statements).  
μ μ μ μ μ μ  
( μ ) SQL μμ μ .  
μ μ μ μ μ μ ,  
μ μ μ μ μ isAdmin  
teachers, μ μ μ μ  
\$\_POST[‘user’], μ μ μ .  
μ μ μ μ μ \$pass  
\$isAdmin , μ .  
μ μ μ μ .

```
$stmt=$con->prepare("SELECT password, isAdmin FROM teachers WHERE  
username=?");  
$stmt->bind_param("s", $_POST[‘user’]);  
$stmt->execute();  
$stmt->bind_result($pass, $isAdmin);  
$stmt->fetch();  
$stmt->close();  
mysqli_close($con);
```

A μ μ \$wrongpass μ μ index.php  
μ <false> μ μ  
μ μ μ μ  
μ μ index.php, μ session\_start() μ  
μ μ μ (\$password) μ μ  
μ μ μ (\$pass). , μ  
μ \$\_SESSION[‘user’] \$\_SESSION[‘admin’] μ  
μ isAdmin μ .

```

        , header('Location:panel.php')
panel.php. , μ
admin.php.

```

```

$wrongpass=false;
session_start();
if(isset($pass) && $password==$pass){
    $_SESSION['user']=$_POST['user'];
    $_SESSION['admin']=$isAdmin;

    if(($_SESSION['admin']==0)){ //redirect to student's page
        header('Location:panel.php');
        exit();
    }
    else{ //else redirect to admin's page
        header('Location:admin.php');
        exit();
    }
}

```

```

        μ , μ μ else if
        , μ μ $wrongpass true
        μ μ $_SESSION['wrongpass']. ,
index.php , μ μ , μ μ μ
        μ μ .

```

```

else{
    $wrongpass=true;
    $_SESSION['wrongpass'] = $wrongpass;

    header('Location:index.php');
}

```

```

login-student.php μ login.php
-
μ - μ μ μ μ
students teachers μ
μ .

```

### 4.3 panel.php

panel.php μ μ . μ  
 μ μ  
 μ  
 php script μ μ  
 μ \$\_SESSION['user']. , μ  
 μ index.php μ .

```
<?php
    session_start();
    if(!isset($_SESSION['user'])){
        header('Location:index.php');
        exit();
    }
?>
```

html μ μ μ μ μ μ  
 Bootstrap μ μ μ μ  
 μ . μ μ /  
 μ μ ccs. μ  
 ( ) μ ( 4.3). μ  
 μ « » index.php.  
 , μ μ « », μ μ  
 μ admin.php,  
 μ  
 μ . μ μ μ \$\_SESSION['admin']  
 μ login.php login-student.php  
 . μ μ « »  
 logout.php μ μ







#### 4.4 admin.php

admin.php μ μ

. , php script

μ μ

μ \$\_SESSION['admin']. ,

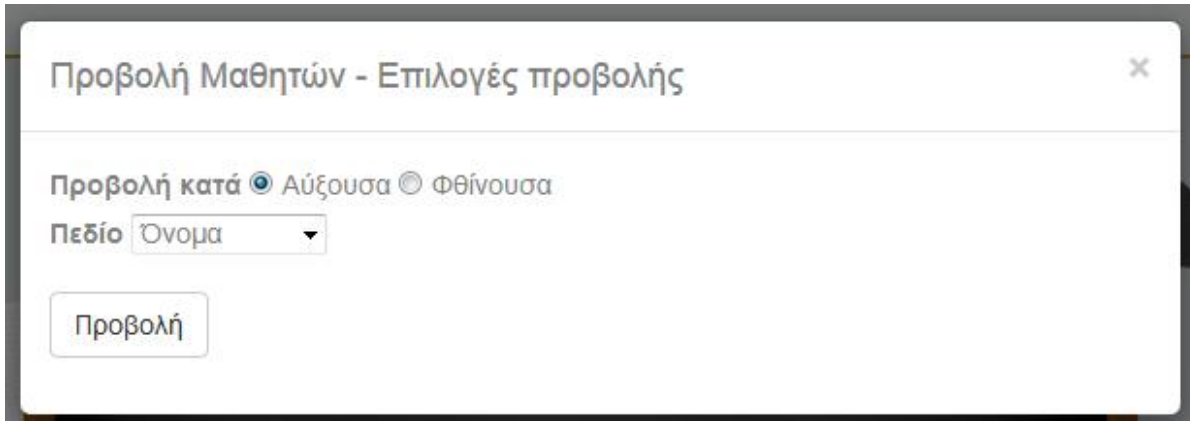
index.php.

```
<?php
    session_start();
    if($_SESSION['admin']!=1){
        header('Location:index.php');
        exit();
    }
?>
```



μ html μ μ μ μ  
( ) μ μ  
« » μ , μ  
panel.php. μ ( div html) μ  
μ ,  
5 μ μ μ ( 4.4). μ  
μ « » μ  
μμ students  
μ . , μ μ  
( 4.5) 2 μ .  
μ ,  
μ μ μ μ μ μ , . . .  
μ μ μ μ μ μ ,  
μ ,

μ « », μ « », .  
 μ μ μ ,  
 μ μ μ μ . μ μ  
 : μ , , , T μ .  
 . 4.5 μ μ



μ μ / , μ sort  
 μ , μ μ orderBy.  
 « » μ , μ  
 viewstudents.php, μ μ μ .

```
<button type="button" class="btn btn-primary btn-lg" data-toggle="modal" data-target="#studentsmodal">
  </button>
```

```
<div class="text-left modal-body">
  <form action="viewstudents.php" method="POST">
    <div class="form-group">
      <label for="sort"> </label>
      <input type="radio" id="sort" name="sort" value="ASC" checked >
      <input type="radio" id="sort" name="sort" value="DESC" >
      <br>
      <label for="sort"> </label>
      <select name="orderBy">
        <option value="username"> μ </option>
        <option value="age"> </option>
        <option value="gender"> </option>
```

```

        <option value="class">T </option>
        <option value="grades"> μ </option>
    </select>
    <br>
</div>
<button type="submit" class="btn btn-default"> </button>
</form>
</div>

```

```

        μ
    μ μ μ « μ »
    μ sessions
    μ . μ μ ,
    ( / ) μ μ .
    μ μ : μ , , T , μ μ
    μ . μ ,
results.php, μ μ μ
    μ μ μ , μ
    μ ,
    μ , μ μ
    , μ μ
    μ . ,
    μ
students μ ,

```

```

<button type="button" class="btn btn-primary btn-lg" data-toggle="modal" data-
target="#scoresmodal"> μ </button>

```

```

<div class=" text-left modal-body">
    <form action="results.php" method="POST">
        <div class="form-group ">
            <label for="sort"> </label>
            <input type="radio" id="sort" name="sort" value="ASC" checked >
            <input type="radio" id="sort" name="sort" value="DESC" >
            <br>
            <label for="sort"> </label>

```

```

<select name="orderBy">
  <option value="username"> μ </option>
  <option value="age"> </option>
  <option value="gender"> </option>
  <option value="class">T </option>
  <option value="date"> μ μ </option>
  <option value="score"> μ </option>
</select>
<br>
</div>
<button type="submit" class="btn btn-default"> </button>
</form>
</div>

```

μ « »  
 μ panel.php  
 . μ  
 μ , μ  
 μ μ μ

```

<a role="button" href="panel.php" class="btn btn-primary btn-lg"> </a>

```

μ ( μ )  
 students. , μ  
 μ , μ μ μ μ  
 μ μ . ( 4.6) μ  
 μ , μ μ μ ,  
 , .  
 μ username  
 μ username, password, age, gender class .  
 μ <number> μ  
 μ μ μ .  
 μ μ μ μ  
 μ μ μ ,

```

        μ                μ 4.                2
( / ),                4                ( ', ', ', ' )
μ                μ . μ μ
record-student.php,                μ
.

```

```

<button type="button" class="btn btn-primary btn-lg" data-toggle="modal" data-
target="#modalInsert">                </button>

```

```

<form action="record-student.php" method="POST">
  <div class="form-group ">
    <label for="inputStudent">Username</label>
    <input type="text" class="form-control" id="inputStudent" name="username"
placeholder=" μ " required>
    <br>
    <label for="inputPass">Password</label>
    <input type="password" class="form-control" id="inputPass" name="password"
placeholder=" μ " required>
    <br>
    <label for="inputAge">                </label>
    <input type="number" min="4" step="any" class="form-control" id="inputAge"
name="age" required>
    <br>
    <label for="inputGender">                </label>
    <select id="inputGender" name="gender" class="form-control" >
      <option value=" " >                </option>
      <option value=" " >                </option>
    </select>
    <br>
    <label for="inputClass">                </label>
    <select id="inputClass" name="class" class="form-control" >
      <option value=" " > '                </option>
      <option value=" " > '                </option>
      <option value=" " > '                </option>
      <option value=" "> '                </option>
    </select>
    <br>
  </div>

```

```
<button type="submit" class="btn btn-default"> </button>
</form>
```

. 4.6 μ μ /μ

Φόρμα εισαγωγής νέου μαθητή x

**Username**

**Password**

**Ηλικία**

**Φύλο**

**Τάξη**

μ ( )

μ μ . μ

μ μ μ , μ

μ

μ μ μ . μ

μ ( 4.7) 3

.



μ text μ μ .  
 μ , μ  
 μ μ , μ  
**required** μ  
 μ , μ μ . μ  
 μ μ « », μ  
 register.php teachers μ .

```
<button type="button" class="btn btn-primary btn-lg" data-toggle="modal" data-target="#teacherInsert">
</button>
```

```
<form action="register.php" method="POST">
  <div class="form-group ">
    <label for="inputTeacher">Username</label>
    <input type="text" class="form-control" id="inputTeacher"
name="tusername" placeholder=" μ " required>
    <br>
    <label for="teacherPass">Password</label>
    <input type="password" class="form-control" id="teacherPass"
```

```

name="tpassword" placeholder="
" required>
    <br>
    <label for="teacherName"> μ μ </label>
    <input type="text" class="form-control" id="teacherName" name="tName"
placeholder=" μ μ "><br>
</div>
<button type="submit" class="btn btn-default"> </button>
</form>

```

```

μ php scripts. μ
μ $_SESSION['register']). register.php μ
μ . μ , μ μ «
!» 5 μ . μ , script
μ $_SESSION['register'] μ μ μ «
μ !».

```

```

<div class="row text-center">
    <?php if(isset($_SESSION['register'])) : ?>
        <div class="row">
            <div class="alert alert-success">
                <strong> !</strong>
            </div>
        </div>
    <?php endif; ?>
</div>

<div class="row text-center">
    <?php if(isset($_SESSION['register'])) : ?>
        <div class="row">
            <div class="alert alert-success">
                <strong> μ !</strong>
            </div>
        </div>
    <?php endif; ?>
</div>

```

## 4.5 register.php record-student.php

```

register.php
admin.php.
teachers.
index.php.

```

```

if($_SESSION['admin']!=1){
    header('Location:index.php');
    exit();
}

```

```

admin.php, MySQL
askiseis.
mysqli_set_charset() utf8
admin.php
$thisUser $nameTaken false.
teachers
($thisUser) teachers.
$nameTaken true.

```

```

if (isset ($_POST)){
    $con = mysqli_connect("localhost", "root", "", "askiseis");
    if (!$con) {
        die("Could not connect: ". mysql_error());
    }
    mysqli_set_charset($con,"utf8");//gives me utf-8 charset for greek names/text

    $thisUser=$_POST['tusername'];
    $nameTaken = false;

    $query = "SELECT * FROM teachers";
}

```

```
$result = mysqli_query($con,$query) or die(mysql_error());
```

```
while($row = mysqli_fetch_array($result)){  
    if($row['username'] == $thisUser){  
        $nameTaken = true;  
    }  
}
```

```
        teachers, μ  
$nameTaken μ true, μ μ μ « μ ! μ  
    !» μ μ μ μ  
        μ . , μ $nameTaken μ  
false μ μ μ . μ μ μ  
    μ μ μ μ md5()  
        μ login.php login-student.php, μ μ  
$_POST['tusername'], $password $_POST['tName'] username,  
password fullName teachers. μ  
affected_rows μ μ , μ μ  
    μ μ true μ $_SESSION['register']. , μ  
    admin.php script μ  
μ $_SESSION['register'] μ μ «  
    !».
```

```
if($nameTaken){  
    echo ' μ ! μ !';  
}  
else{  
    $password = mysqli_real_escape_string($con, $_POST["tpassword"]);  
    $password = md5($password);  
    $stmt=$con->prepare("INSERT INTO 'teachers'('username', 'password',  
'fullName') VALUES (?,?,?)");  
    $stmt->bind_param("sss", $_POST['tusername'],$password,$_POST['tName']);  
    $stmt->execute();  
    if($stmt->affected_rows>0){  
        $stmt->close();  
        mysqli_close($con);  
        $_SESSION['register']= true;  
        header('Location: admin.php');  
        exit();  
    }  
}
```

```
}
```

```

        record-student.php          μ          register.php, μ          μ
                μ          students          teachers
        μ          μ          μμ          .
        ,          μ          .

```

#### 4.6 viewstudents.php results.php

```

viewstudents.php
μ          «          »          μ          .
                μ          .          ,
        index.php.          , μ          μ          μ          μ          MySQL
        μ          askiseis.
μ          μ          μ          admin.php,
        μ          μ          students μ
        μ          μ          (          /          ).

```

```

if($_SESSION['admin']!=1){
    header('Location:index.php');
    exit();
}
$conn = mysqli_connect("localhost", "root", "", "askiseis") or die(mysqli_error());
mysqli_set_charset($conn,"utf8");//gives me utf-8 charset for greek names/text

if ($_POST) {
if ($_POST && $_POST['orderBy'] && $_POST['sort']) {
    $order=$_POST['orderBy'];
    $sort=$_POST['sort'];
}

$query = "SELECT * FROM students ORDER BY ".$order." ".$sort;
$get_student = mysqli_query($conn,$query);

```

```

        μ          μ          μ          ,
        μ          (table) μ
        ( μ , , ,T , μ )
        <tr> μ μ
        μ <table table-striped> μ

```



```

$display_block .= "<tr> <td>$nickname</td>
                    <td style=\"text-align:center\">$age</td>
                    <td style=\"text-align:center\">$gender</td>
                    <td style=\"text-align:center\">$class</td>
                    <td style=\"text-align:center\">$grades</td> ";

$display_block .= "<td style=\"text-align:center\"> <button type=\"button\" class=\"btn btn-
danger\" data-toggle=\"modal\" data-target=\"#$modal\"> μ </button>
                    <div class=\"modal fade\" id=\"$modal\" tabindex=\"-1\" role=\"dialog\" aria-
labelledby=\"$modal\">
                        <div class=\"modal-dialog\" role=\"document\">
                            <div class=\"modal-content\">
                                <div class=\"modal-header\">
                                    <button type=\"button\" class=\"close\" data-dismiss=\"modal\" aria-
label=\"Close\"><span aria-hidden=\"true\">&times;</span></button>
                                    <h4 class=\"text-left modal-title\" id=\"$modal\">
                                        </h4>
                                </div>
                                <div class=\" text-center modal-body\"> /
                                    ;<br><br><a href=\"delete-student.php?action=remove&id=$id\" class=\"btn btn-
danger\">
                                        </a>
                                    </div>
                                </div>
                            </div>
                        </div>
                    <a href=\"edit-student.php?student_id=$id\" class=\"btn btn-primary\">
                        </a>
                    </td> </tr>";
}
}

```

```

html μ μ          viewstudents.php          μ
admin.php  logout.php          μ          ,
μ          . μ
          php script          μ          μ
μ          μ          .          μ
echo "$display_block"          μ          , μ
μ μ          μ          .

```

```

<div class= "row">
    <div class="col-md-12">
        <?php echo "$display_block"; ?>
    </div>
</div>

```

4.8

μ

μ

μ

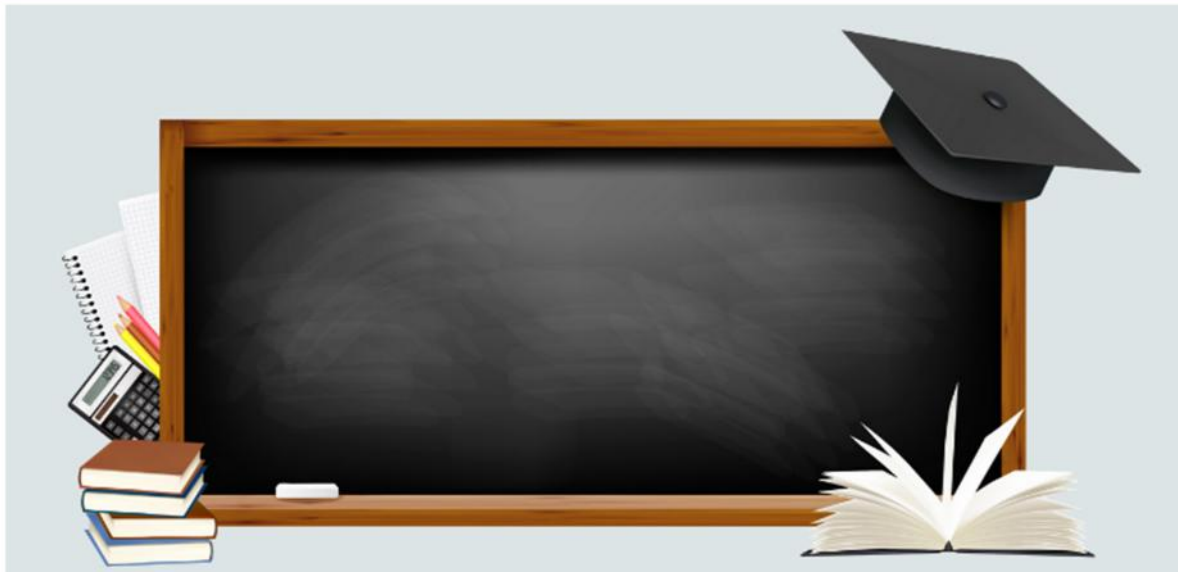
μ

«

μ

μ

.



Όνομα	Ηλικία	Φύλο	Τάξη	Βαθμολογία	Επεξεργασία	
Eleni	8	Κορίτσι	Γ	60	Διαγραφή μαθητή	Διόρθωση στοιχείων
Kostas	8	Αγόρι	Γ	0	Διαγραφή μαθητή	Διόρθωση στοιχείων
Mary	12	Κορίτσι	Δ	42	Διαγραφή μαθητή	Διόρθωση στοιχείων
Γιάννης	10	Αγόρι	Ε	57	Διαγραφή μαθητή	Διόρθωση στοιχείων
Μάριος	11	Αγόρι	ΣΤ	0	Διαγραφή μαθητή	Διόρθωση στοιχείων

results.php

μ

( 4.9).

results.php

μ

viewstudents.php, μ

μ

,

μ MySQL

μ

students

μ

μ

μ

μ

μ admin.php.

, μ μ

viewstudents.php,

μ μ β

( μ ,

μ , μ μ , , )

sessions



μ . html μ μ μ

viewstudents.php μ

```

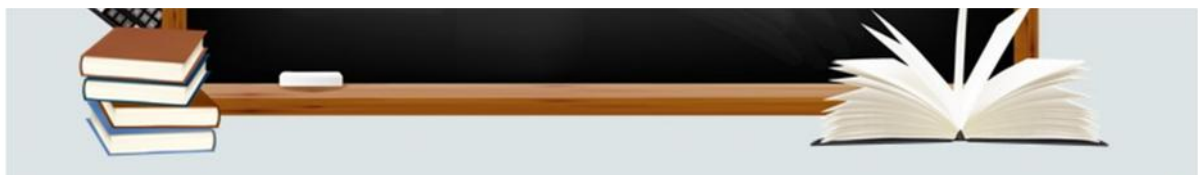
if (mysqli_num_rows($get_results) > 0){
    $display_block="<table class=\"table table-striped\">
        <tbody> <tr><th> μ </th>
            <th style=\"text-align:center\"> μ </th>
            <th style=\"text-align:center\"> μ μ </th>
            <th style=\"text-align:center\"> </th>
            <th style=\"text-align:center\"> </th>
            <th style=\"text-align:center\"> </th> </tr> ";

    while($row = mysqli_fetch_assoc($get_results)){
        $nickname = $row['username'];
        $age = $row['age'];
        $gender = $row['gender'];
        $class = $row['class'];
        $grades = $row['score'];
        $date = $row['date'];

        $display_block .= "<tr> <td>$nickname</td>
            <td style=\"text-align:center\">$grades</td>
            <td style=\"text-align:center\">$date</td>
            <td style=\"text-align:center\">$age</td>
            <td style=\"text-align:center\">$gender</td>
            <td style=\"text-align:center\">$class</td>";
    }
}

```

4.9 μ μ μμ



Όνομα	Βαθμολογία	Ημερομηνία	Ηλικία	Φύλο	Τάξη
Eleni	43	2018-10-25 13:07:26	8	Κορίτσι	Γ
Eleni	57	2018-10-25 13:06:54	8	Κορίτσι	Γ
Eleni	45	2018-10-25 13:08:50	8	Κορίτσι	Γ
Γιάννης	61	2018-07-18 13:07:11	10	Αγόρι	Ε
Γιάννης	49	2018-10-25 13:07:03	10	Αγόρι	Ε

## 4.7 delete-student.php

```

delete-student.php
students
    ,
    .
    3.6
    ,
    delete-
student.php.
    id
    ,
    action
    remove.
    ,
    $_GET['action']
    «remove»,
    id
    $userId.
    MySQL
    askiseis,
    students
    id
    $userId.
    ,
    sessions
    ,
    ,
    ,
    ,
    html
    ,
    ,
    ( 4.10).

```

```

if($_GET){
    $action = $_GET['action'];
    if($action=='remove'){
        $userId = $_GET['id'];

        $conn = mysqli_connect("localhost", "root", "", "askiseis") or
die(mysqli_error());
        $query = "DELETE FROM 'students' WHERE id=$userId";
        $results = mysqli_query($conn,$query);
        $jobDone = mysqli_affected_rows($conn);

        if(isset($jobDone)){
            if($jobDone > 0){
                $sql = "DELETE FROM 'sessions' WHERE
studentID=$userId";
                $result = mysqli_query($conn,$sql);
            }
        }
        mysqli_close($conn);
    }
}

```



```

$query = "SELECT * FROM students WHERE id=$studentID";
$students = mysqli_query($conn,$query);

while($row = mysqli_fetch_assoc($students)){
    $username = $row['username'];
    $age = $row['age'];
    $gender = $row['gender'];
    $class = $row['class'];
}
$_SESSION['id'] = $studentID;
}

```

```

php
$username,
(4.5),
edit.php.

```

```

edit.php
$username, $age, $gender $class.
MySQL
askiseis,
$editDone
students.
$jobDone delete-student.php.

```

```

$result = mysqli_query($conn,"UPDATE students SET username='$username' ,age='$age'
,gender='$gender', class='$class' WHERE id='$var'");
$editDone = mysqli_affected_rows($conn);

```

```

<?php
    if(isset($editDone)){
        if($editDone > 0){
            echo '<div class="alert alert-success text-center">
μ          !</div>';
μ          }
            else{
                echo '<div class="alert alert-danger text-center">
μ          .</div>';
            }
        }
    }
?>

```

## 4.9 logout.php

logout.php μ

μ php script

μ \$ \_SESSION[] μ

\$ \_SESSION=array() μ session\_destroy().

index.php, μ

```

<?php
    session_start();
    $ _SESSION=array();
    session_destroy(); // μ $ _SESSION[]
    header('Location:index.php');
    exit();
?>

```

## 4.10 styles.css

CSS μ Cascading Style Sheets. css μ

HTML , μ .

μ

μ , μ

μ μμ , μ .

μ μ / ,

μ μ

μ μ .

```
.top-bottom-text{
    position: absolute;
    width: 100%;
    left:0;
    text-align: center;
    margin: auto;
    padding-top:10px;
}
```

## 4.11

```

    μ      μ      μ      μ      μ      μ      μ
    μ
    μ .
    μ .
    index.php, login.php.
    , μ $_SESSION['admin'] μ «1»
    μ
    admin.php μ . ,
    μ μ μ
    $_SESSION['admin']. , μ μ 1,
    . , index.php.
    admin.php, « μ »
    μ μ μ μ .
    viewstudents.php ,
    μ μ « ».
    μ μ « μ », delete-
    student.php, μ μ μ μ μ
    μ . μ ,
    μ μ μ «
    μ » μ . results.php
    μ μ μ . ,
    μ , μ
    μ « » .

```

## 5: μ

μ μ . μ μ / php  
, μ μ . μ  
3.3 3, panel.php μ μ  
μ μ « μ  
!» μ . 3  
php. , 3

- askisi1\_intro.php
- askisi1.php
- score1.php

### 5.1 1 2

μ 1 2, μ  
μ μ μ 2 μ . ' μ  
μ μ μ . 3 μ μ μ .  
, μ 3  
, 2 μ μ μ

#### 5.1.1 askisi1\_intro.php

askisi1\_intro μ μ  
μ « μ » μ .  
μ μ μ

```

    μ      μ      ,      askisi1.php.
    ,      μ      μ      3,
    μ      μ      ,      μ
    μ      .

```

```

session_start();
if(!isset($_SESSION['user'])){
    header('Location:index.php');
    exit();
}

```

```

    μ μ      ,      askisi*.php
askisi*_intro.php, * μ      ,      μ      μ
    μ
    .      μ      ,      μ
    askisi*_intro.php      μ
    .      askisi9_intro.php      μ
    ,      μ      μ
    μ      .

```

```

if(isset($_SESSION['ID'])){
    $con = mysqli_connect("localhost", "root", "", "askiseis");
    if (!$con) {
        die("Could not connect: ". mysql_error());
    }
    $sessionID = $_SESSION['ID'];

    $query = "SELECT * FROM scores WHERE sessionID = $sessionID";
    $result0 = mysqli_query($con,$query) or die(mysql_error());

    while($row = mysqli_fetch_array($result0)){
        if($row['askID'] == 1){
            mysqli_close($con);
            header('Location:askisi2_intro.php');
            exit();
        }
    }
}

```



```
}
```

```
html μ μ , μ μ μ
μ μ Bootstrap μ .
μ , μ 3
μ , μ μ
μ .
```

```
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.5.0/css/font-
awesome.min.css">
<link rel="stylesheet" type="text/css" href="vendor/bootstrap-3.3.6-dist/css/
bootstrap.min.css" />
```

```
μ μ <body> μ μ board-back.png
μ μ ( )
μ μ . μ « μ »,
data-toggle="modal" data-target=".example-modal " μ
μ μ modal μ μ example-modal
μ μ μ μ . modal μ
μ μ μ .
μ video1.mp4, , videos.
browser μ , μ μ «Your browser does not
support the video tag» μ . μ
« μ !» askisi1.php. 5.1 μ μ μ
μ askisi1_intro.php
```

```

<!-- Video modal -->
<button id="modal" class=" bottom-center btn btn-primary" data-toggle="modal" data-
target=".example-modal" ><h2> μ </h2></button>
<div class="modal fade example-modal" tabindex="-1" role="dialog" aria-
labelledby="myLargeModalLabel" aria-hidden="true">
<div class="modal-dialog modal-lg">
<div class="modal-content" style="text-align: center;">
<video width="640" height="480" controls>
<source src="videos\video1.mp4" type="video/mp4">
Your browser does not support the video tag.
</video>
</div>
</div>
</div>
```

```

</div>
<div class=" text-center" >
  <a      role="button"      class="top-center      btn      btn-primary"
onclick="document.location.href='askisi1.php'"><h2>
μ !</h2></a>
</div>

```

5.1

1



### 5.1.2 askisi1.php

```

askisi1.php
. php μ μ μ μ
askisi1_intro.php. μ μ <body> μ
board-back.png, μ μ
. μ μ <div>
class="carousel-caption". Carousel plugin μ μ μ
, (slideshow).
μ μ μ
. μ μ μ
, μ μ <div> μ
id="questions" μ μ μ .

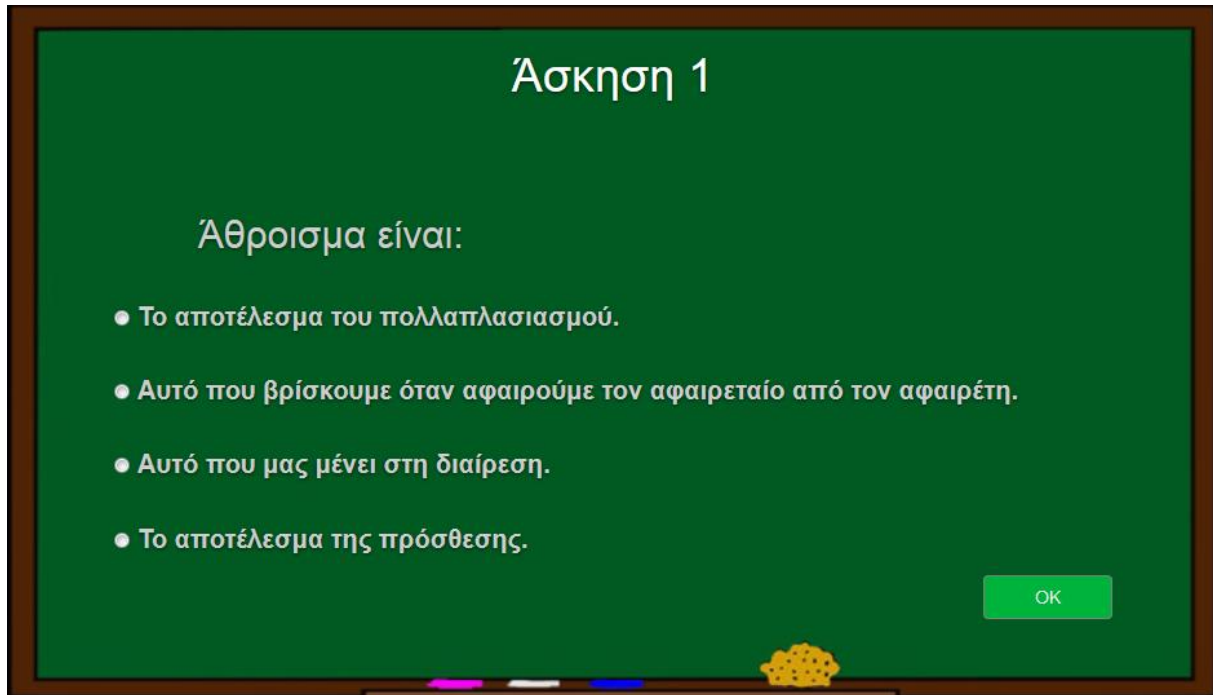
```

```

<div class="carousel-caption" style="top:10%;right:5% !important;left:5% !important;
bottom:25%;padding-top: 0px !important;">
  <h1 style="margin-top: -20px;">          1</h1>
  <div id="questions" class="questions-style">

```

5.2



```

<div id="q0" class="question" style="background-color: #e0e0e0; padding: 10px; border: 1px solid #ccc;">
  <h3 style="margin: 0; color: #000080; text-align: center;">Άσκηση 1
  <p style="margin: 10px 0 0 0;">Άθροισμα είναι:
  <ul style="list-style-type: none; padding-left: 20px; margin: 10px 0 0 0;">
    <li>● Το αποτέλεσμα του πολλαπλασιασμού.
    <li>● Αυτό που βρίσκουμε όταν αφαιρούμε τον αφαιρεταίο από τον αφαιρέτη.
    <li>● Αυτό που μας μένει στη διαίρεση.
    <li>● Το αποτέλεσμα της πρόσθεσης.
  </ul>
  <div style="text-align: right; margin-top: 10px;">
    <button type="button" class="btn btn-success" style="border: none; padding: 5px 15px;">OK
  </div>
</div>

```

```

<div id="q0" >
  <h2 class="text-center">
  <br><br><br> <br>
  <button class="bottom-right btn btn-primary" onclick="next()"> </button>
</div>

```

( 5.2)

4 . 3.

radio

A (

), ( radio,

,

next() ( id="q2")

q2.

```

<div id="q1" style="display: none;" >
  <h2 class="col-md-6"> : </h2><br><br><br>
  <div id="answers" class="pull-left" >
    <div id="a1">
      <input form="score" type="radio" name="q1" value="A" class="selected">
      <br><br>
      <input form="score" type="radio" name="q1" value="B" class="selected">
      <br><br>
      <input form="score" type="radio" name="q1" value="C" class="selected">
      <br><br>
      <input form="score" type="radio" name="q1" value="D" class="selected">
      <br><br><br>
      <button class="bottom-right btn btn-primary"
      onclick="next()"> </button>
    </div>
  </div>
</div>

```

```

        next()
        ,
        .
        .
        inputs
        <div>
        μ «selected».
        μ id="q1" 4 μ radio μ class="selected".
        μ inputs 4 – μ .
        μ isChecked0 μ false. μ
        μ inputs 0 ( μ inputs.length), μ μ
        μ isChecked0 true. (id="q0")
        (id="q3") μ
        , μ μ "selected", μ μ
        isChecked0 true. μ μ radio
        . μ μ
        μ isChecked0 true. ,
        μ «OK»
        μ , μ isChecked0 μ false.

```

```

function next() {
    var inputs = $(".selected:visible");
    var isChecked0 = false;
    if (inputs.length == 0){
        isChecked0 = true;
    }

    for(var i=0;i<inputs.length;i++){
        if(inputs[i].checked){
            isChecked0 =true;
            console.log(isChecked0);
        }
    }
}

```

```

        , μ isChecked0 true,
        μ μ μ ,
        μ . , μ isChecked0 false, μ μ μ

```

μ μ  
μ .

```
if(isChecked0){
  var qElems = document.querySelectorAll('#questions>div');
  for (var i = 0; i < qElems.length; i++) {
    if (qElems[i].style.display != 'none') {
      qElems[i].style.display = 'none';
      if (i == qElems.length - 1) {
        qElems[0].style.display = 'block';
      } else {
        qElems[i + 1].style.display = 'block';
      }
      break;
    }
  }
}
} else {
  alert(" μ μ !");
  isChecked0=false;
}
```

μ μ « »  
μ (μ id="q3") μ ( 5.3).  
μ μ μ μ  
μ μ « ». μ μ ,  
μ μ q1, q2 μ  
score1.php.

```
<div id="q3" style="display: none;" >
  <div class="pull-left" >
    <h1 class="text-center"> μ . </h1>
    <br><br><br>
    <form id="score" action="score1.php" method="POST">
      <button form="score" class="bottom-right btn btn-primary" type="submit"
    > μ </button>
    </form>
  </div>
</div>
```



```

        $score=$score+1;
    }
}

```

```

        μ      ,      μ      μ
        sessions      μ      (studentID),
        μ      ,      μ      μ      /      μ      NOW().      ,
        $ _SESSION[ID']      μ      μ      μ
        μ      μ      scores      μ
        1      .      μ      μ      ,
        score1.php      askisi2_intro.php
        2.

```

```

        //      μ      μ      sessions
        $addsql="INSERT INTO sessions (studentID, score, date) VALUES ((SELECT id from
students WHERE username=~$user), $score, NOW())";
        $result = mysqli_query($con,$addsql) or die(mysqli_error());

        //      sessionID
        $asksql="SELECT MAX(sessionID) AS max_sessionID FROM sessions WHERE
studentID=(SELECT id from students WHERE username=~$user)";
        $result = mysqli_query($con, $asksql);
        $row = mysqli_fetch_array($result);
        $sessionID = $row["max_sessionID"];
        $ _SESSION[ID'] = $sessionID;

        $sql="INSERT INTO scores (askID, score, sessionID) VALUES (1, $score, $sessionID)";
        if (mysqli_query($con, $sql)) {
            echo "Record updated successfully";
        } else {
            echo "Error updating record: " . mysqli_error($conn);
        }
        mysqli_close($con);
        header('Location:askisi2_intro.php');

```



```

        , 2, μ μ 1, μ
        μ
        score2.php, μ
        2, μ sessions,
        score1.php μ μ μ
        sessions μ μ μ 1,
        μ ( 1 2)
        μ μ μ μ μ ,
        sessions. μ μ μ
        μ , μ
        , sessions μ μ μ
        μ μ

```

```

// μ μ 1
// μ μ 2.
$getsq1="SELECT score FROM sessions WHERE (sessionID = '$sessionID')";
$result = mysqli_query($con, $getsq1);
$row = mysqli_fetch_array($result);
$totalScore = $row[0] + $score;

$sql="UPDATE sessions SET score = '$totalScore' WHERE (sessionID = '$sessionID')";
if (mysqli_query($con, $sql)) {
    echo "Record updated successfully";
} else {
    echo "Error updating record: " . mysqli_error($conn);
}
mysqli_close($con);
header('Location:askisi2_intro.php');

```

## 5.2 3

```

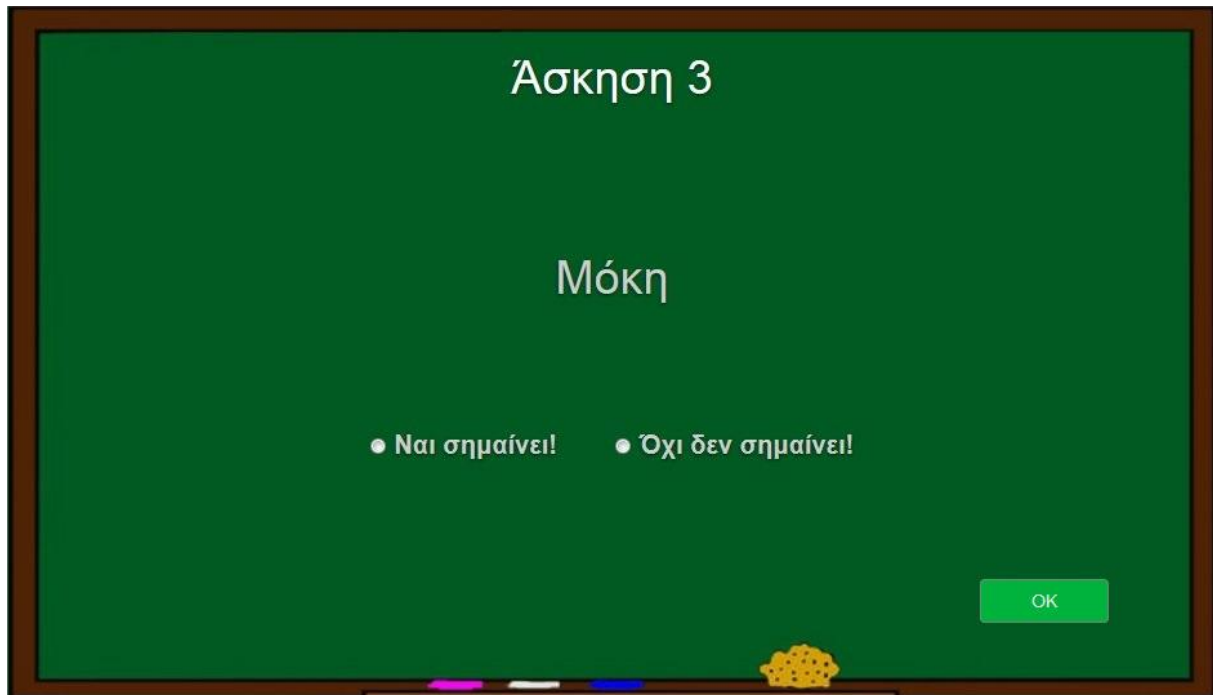
μ μ
μ μμ . ,
μ askisi3_intro.php, askisi3.php
score3.php μ μ
, μ μ « μ »

```

« μ » ( 5.4) μ 1 2.

score3.php,  
score2.php, μ μ  
scores μ sessions μ μ μ

4.4 μ 3



5.3 4 5

4 5, μ μ ,  
( 5.5 5.6). 4  
12 , 5 15 μ ,  
μ μ 3, score4.php score5.php μ μ  
scores , μ sessions μ  
μ μ .

5.5

μ

4

Άσκηση 4

- μάθοιμα
- μάθημα
- μάθειμα
- μάθιμα

OK

5.6

μ

5

Άσκηση 5

- παιδή
- παιδεί
- παιδί
- παιδοί

OK

5.4

6

6

μ

.

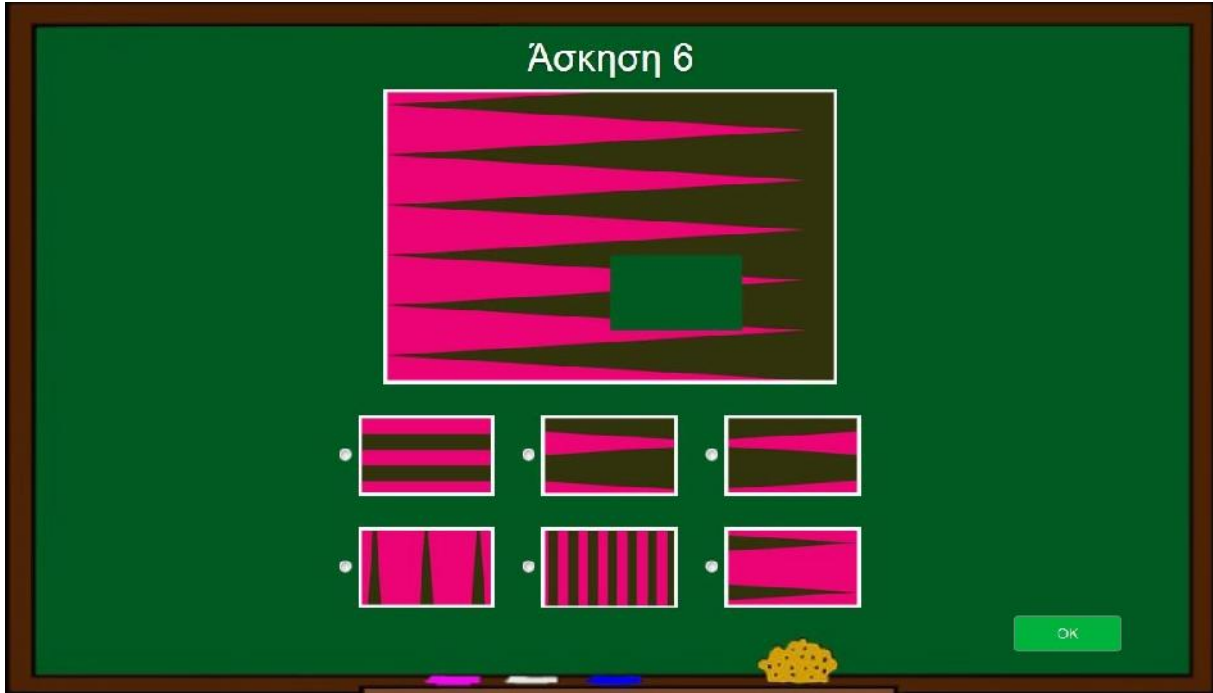
μ

μ

μ

μ

μμ μ 11  
 μ μ askisi6\_intro.php, askisi6.php score6.php  
 μ μ μ  
 5.7 μ 6



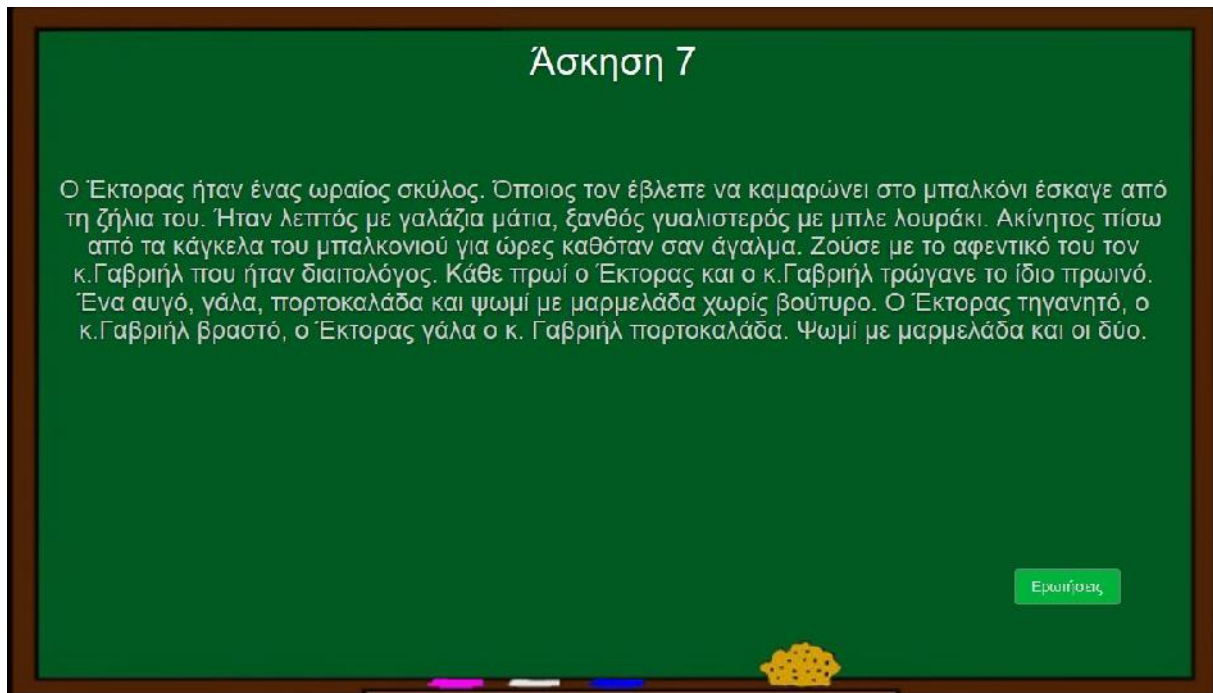
5.5 7

7 μ μ  
 μ μ , μ .  
 μ μ ( 5.8). μ  
 , μ  
 μ  
 μ ( 5.9). μ  
 . 3 μ  
 μ , ,  
 μ μ . askisi7\_intro.php, askisi7.php  
 score7.php μ  
 μ μ .

### Άσκηση 7

Ο Έκτορας ήταν ένας ωραίος σκύλος. Όποιος τον έβλεπε να καμαρώνει στο μπαλκόνι έσκαγε από τη ζήλια του. Ήταν λεπτός με γαλάζια μάτια, ξανθός γυαλιστερός με μπλε λουράκι. Ακίνητος πίσω από τα κάγκελα του μπαλκονιού για ώρες καθόταν σαν άγαλμα. Ζούσε με το αφεντικό του τον κ.Γαβριήλ που ήταν διαιτολόγος. Κάθε πρωί ο Έκτορας και ο κ.Γαβριήλ τρώγανε το ίδιο πρωινό. Ένα αυγό, γάλα, πορτοκαλάδα και ψωμί με μαρμελάδα χωρίς βούτυρο. Ο Έκτορας τηγανητό, ο κ.Γαβριήλ βραστό, ο Έκτορας γάλα ο κ. Γαβριήλ πορτοκαλάδα. Ψωμί με μαρμελάδα και οι δύο.

Ερωτήσεις



### Άσκηση 7

Τι χρώμα είναι ο Έκτορας;



OK





5.12). , μ « » μ μ ( , μ , μ μ μ μ .

```

$query = "SELECT grades FROM students WHERE username='$user' limit 1";
$result1 = mysqli_query($con,$query);
$row1 = mysqli_fetch_array($result1);

if ($totalscore > $row1[0]){
    $sql2="UPDATE students SET grades = '$totalscore' WHERE username='$user'";
    if (mysqli_query($con, $sql2)) {
        echo "Student record updated successfully";
    }else {
        echo "Error! Student record not updated: " . mysqli_error($conn);
    }
}

```

5.11

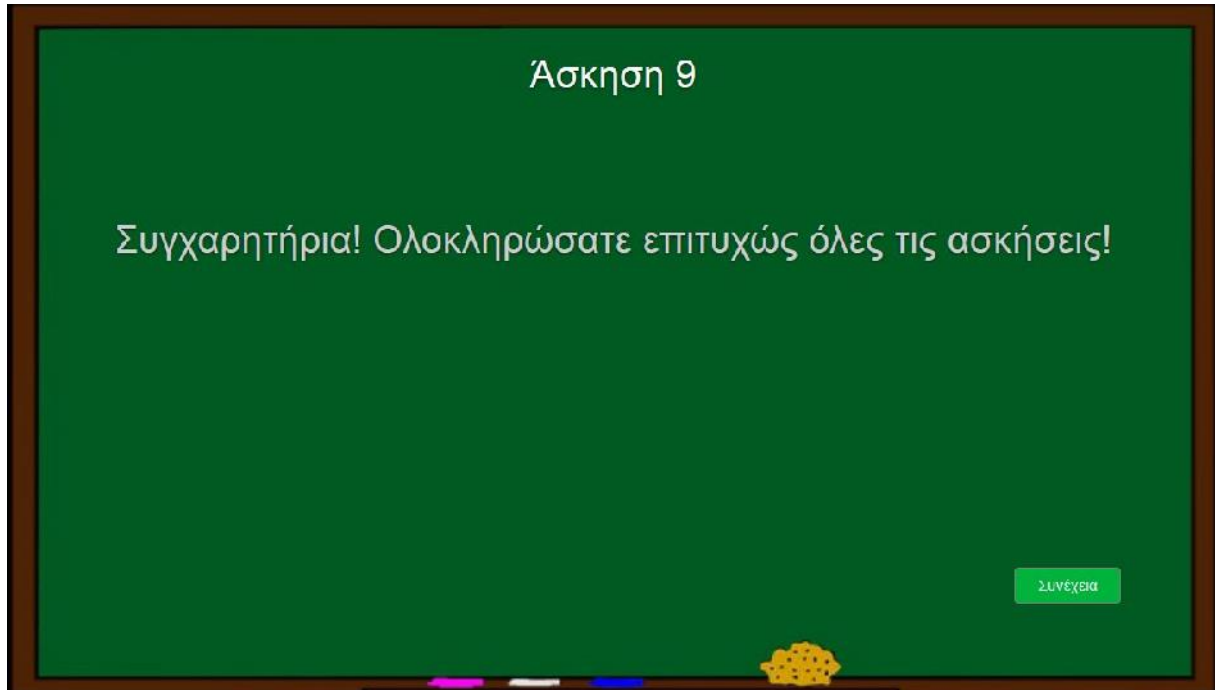
9



askisi9\_intro.php askisi9.php 9  
 μ μ . μ 9  
 μ μ , score9.php,  
 μ μ μ , μ  
 μ μ μ μ .  
 , μ μ students

grades. , μ logout.php, μ  
μ .

5.12







- [1] Larry Ullman, 2009, *PHP 6 & MySQL 5* (μ), μ
- [2] μ, & μ, 2013, μ
- [3] <https://www.brightminds.com.gr/services/μ-μ.html>
- [4] <https://www.yourhtmlsource.com/starthere/whatishtml.html>
- [5] <https://www.wlearn.gr/etiketes/>
- [6] <https://www.phpmyadmin.net/>
- [7] <https://searchsqlserver.techtarget.com/definition/database-management-system>
- [8] <https://el.wikipedia.org/wiki/Bootstrap>