

```
1 <?php
2 // Δημιουργία νέας βάσης. όνομα αρχείου: createdb.php
3 $servername = "localhost";
4 $username = "root";
5 $password = "";
6
7 // Create connection
8 $conn = mysqli_connect($servername, $username, $password); // ή $conn = new mysqli($s,
   $u, $p) for OO ***
9
10 // Check connection
11 if (!$conn) { // ή if
   ($conn->connect_error) for Object-Oriented ****
12     die("Connection failed: " . mysqli_connect_error());
13 }
14 echo "Connected successfully <br/>";
15
16 // Create database
17 $sql = "CREATE DATABASE library CHARACTER SET utf8 COLLATE utf8_unicode_ci";
   //CHARACTER SET utf8 COLLATE utf8_unicode_ci
18 if (mysqli_query($conn, $sql)) { // ή if ($conn->query($sql)
   === TRUE) for OO ***
19     echo "Database created successfully <br/>";
20 } else {
21     echo "Error creating database: " . mysqli_error($conn); // ή . $conn->error; for OO
   ***
22 }
23
24 //mysqli set charset($con,"greek general ci");
25
26 mysqli_close($conn); // ή $conn->close() for
   Object-Oriented ****
27 ?>
```

```
1 <?php
2 // Δημιουργία νέου πίνακα Όνομα αρχείου: createtable.php
3 $servername = "localhost";
4 $username = "root";
5 $password = "";
6 $dbname = "library";
7
8 // Create connection
9 $conn = mysqli_connect($servername, $username, $password, $dbname);
10 // Check connection
11 if (!$conn) {
12     die("Connection failed: " . mysqli_connect_error());
13 }
14 echo "Connected successfully". "<br/>";
15
16 // sql to create table
17 $sql = "CREATE TABLE books (
18 id INT(6) UNSIGNED AUTO INCREMENT PRIMARY KEY,
19 isbn VARCHAR(30) NOT NULL UNIQUE,
20 title VARCHAR(30) NOT NULL,
21 author VARCHAR(30) NOT NULL,
22 publisher VARCHAR(50),
23 reg date TIMESTAMP)";
24
25 if (mysqli_query($conn, $sql)) { //ή if ($conn->query($sql) ===
TRUE) for OO ***
26     echo "Table Books created successfully <br/>";
27 } else {
28     echo "Error creating table: " . mysqli_error($conn);
29 }
30
31 mysqli_close($conn);
32 ?>
```

```
1 <?php
2 // Εισαγωγή νέας εγγραφής σε πίνακα Όνομα αρχείου: insertdata.php
3 $servername = "localhost";
4 $username = "root";
5 $password = "";
6 $dbname = "library";
7
8 // Create connection
9 $conn = mysqli_connect($servername, $username, $password, $dbname);
10 // Check connection
11 if (!$conn) {
12     die("Connection failed: " . mysqli_connect_error());
13 }
14
15 $sql = "INSERT INTO books (isbn, title, author,publisher)
16 VALUES ('000-1', 'Sql in simple steps', 'Aristos Pashias', 'Global Public Ltd')";
17
18 if (mysqli_query($conn, $sql)) {
19     echo "New record created successfully <br/>";
20 } else {
21     echo "Error: " . $sql . "<br>" . mysqli_error($conn);
22 }
23
24 mysqli_close($conn);
25 ?>
```

```
1 <?php
2 // Εισαγωγή πολλών εγγραφών σε πίνακα Όνομα αρχείου: insert2data.php
3 $servername = "localhost";
4 $username = "root";
5 $password = "";
6 $dbname = "library";
7
8 // Create connection
9 $conn = mysqli_connect($servername, $username, $password, $dbname);
10 // Check connection
11 if (!$conn) {
12     die("Connection failed: " . mysqli_connect_error());
13 }
14
15 $sql = "INSERT INTO books (isbn, title, author,publisher)
16 VALUES ('001-1', 'HTML User Manual', 'Aristos Pashias', 'The Publisher'),
17         ('001-2', 'Java User Manual', 'Aristos Pashias', 'The Publisher'),
18         ('001-3', 'PHP User Manual', 'Aristos Pashias', 'The Publisher'),
19         ('001-4', 'WP User Manual', 'Aristos Pashias', 'The Publisher)";
20
21 if (mysqli_query($conn, $sql)) {
22     echo "New record created successfully <br/>";
23 } else {
24     echo "Error: " . $sql . "<br>" . mysqli_error($conn);
25 }
26
27 mysqli_close($conn);
28 ?>
```

```
1 <?php
2 // prepare and bind Όνομα αρχείου: prepared.php
3 $servername = "localhost";
4 $username = "root";
5 $password = "";
6 $dbname = "library";
7
8 // Create connection
9 $conn = new mysqli($servername, $username, $password, $dbname);
10
11 // Check connection
12 if ($conn->connect_error) {
13     die("Connection failed: " . $conn->connect_error);
14 }
15
16 // prepare and bind
17 $stmt = $conn->prepare("INSERT INTO books (isbn, title, author, publisher) VALUES (?,
18     ?, ?, ?)");
19 $stmt->bind_param("ssss", $isbn, $title, $author, $publisher); // ssss: s-string,
20     i-integer...
21
22 // set parameters and execute
23 $isbn = "002-1";
24 $title = "Title 1";
25 $author = "Author 1";
26 $publisher = "Pashias Aristos";
27 $stmt->execute();
28
29 $isbn = "002-2";
30 $title = "Title 2";
31 $author = "Author 2";
32 $publisher = "Pashias Aristos";
33 $stmt->execute();
34
35 $isbn = "002-3";
36 $title = "Title 3";
37 $author = "Author 3";
38 $publisher = "Pashias Aristos";
39 $stmt->execute();
40
41 echo "New records created successfully";
42
43 $stmt->close();
44 $conn->close();
45 ?>
```

```
1 <?php
2 // Διάβασμα εγγραφών πίνακα Όνομα αρχείου: readtable.php
3 $servername = "localhost";
4 $username = "root";
5 $password = "";
6 $dbname = "library";
7
8 // Create connection
9 $conn = mysqli_connect($servername, $username, $password, $dbname);
10 // Check connection
11 if (!$conn) {
12     die("Connection failed: " . mysqli_connect_error());
13 }
14 $result = mysqli_query($conn, "SELECT * FROM books") or die(mysqli_error());
15 if(mysqli_num_rows($result))
16 {
17     echo '<table cellpadding="4" cellspacing="4" class="db-table">';
18     echo
19     '<tr><th>No.</th><th>isbn.</th><th>title.</th><th>author.</th><th>publisher.</th><tr>';
20     while($row=mysqli_fetch_row($result))
21     {
22         echo '<tr>';
23         for ($i = 0; $i<5; $i++)
24         {
25             echo '<td>', $row[$i], '</td>';
26         }
27         echo '</tr>';
28     }
29     echo '</table> \n';
30 }
31 ?>
```

```
1 <?php
2 // Επιλογή των εγγραφών του πίνακα Όνομα αρχείου: select.php
3 $servername = "localhost";
4 $username = "root";
5 $password = "";
6 $dbname = "library";
7
8 // Create connection
9 $conn = mysqli_connect($servername, $username, $password, $dbname);
10 // Check connection
11 if (!$conn) {
12     die("Connection failed: " . mysqli_connect_error());
13 }
14 // Select data from table
15 $sql = "SELECT isbn, title, author FROM books";
16
17 if ($result=mysqli_query($conn,$sql)) {
18
19     // output data of each row
20     while($row = mysqli_fetch_assoc($result)) {
21         echo "isbn: " . $row["isbn"]. " - Book Title: " . $row["title"]. " - Author:
22         " . $row["author"]. "<br>";
23     }
24 } else {
25     echo "0 results";
26 }
27 mysqli_close($conn);
28 ?>
```

```
1 <?php
2 // Επιλογή μερικών εγγραφών από πίνακα Όνομα αρχείου: where.php
3 $servername = "localhost";
4 $username = "root";
5 $password = "";
6 $dbname = "library";
7
8 // Create connection
9 $conn = mysqli_connect($servername, $username, $password, $dbname);
10 // Check connection
11 if (!$conn) {
12     die("Connection failed: " . mysqli_connect_error());
13 }
14 // Select data from table
15 $sql = "SELECT isbn, title, author FROM books WHERE Author LIKE '%Aristos%'";
16
17 if ($result=mysqli_query($conn,$sql)) {
18
19     // output data of each row
20     while($row = mysqli_fetch_assoc($result)) {
21         echo "isbn: " . $row["isbn"]. " - Book Title: " . $row["title"]. " - Author:
22         " . $row["author"]. "<br>";
23     }
24 } else {
25     echo "0 results";
26 }
27 mysqli_close($conn);
28 ?>
```

```
1 <?php
2 // Μεταβολή εγγραφής σε πίνακα Όνομα αρχείου: update.php
3 $servername = "localhost";
4 $username = "root";
5 $password = "";
6 $dbname = "library";
7
8 // Create connection
9 $conn = new mysqli($servername, $username, $password, $dbname);
10 // Check connection
11 if ($conn->connect_error) {
12     die("Connection failed: " . $conn->connect_error);
13 }
14
15 $sql = "UPDATE books SET author='Pashias Aristos' WHERE id=2";
16
17 if ($conn->query($sql) === TRUE) {
18     echo "Record updated successfully";
19 } else {
20     echo "Error updating record: " . $conn->error;
21 }
22
23 $conn->close();
24 ?>
```

```
1  <?php
2  // Διαγραφή εγγραφής από πίνακα  Όνομα αρχείου: delete.php
3  $servername = "localhost";
4  $username = "root";
5  $password = "";
6  $dbname = "library";
7
8  // Create connection
9  $conn = mysqli_connect($servername, $username, $password, $dbname);
10 // Check connection
11 if (!$conn) {
12     die("Connection failed: " . mysqli_connect_error());
13 }
14
15 // sql to delete a record
16 $sql = "DELETE FROM books WHERE id=7";
17
18 if (mysqli_query($conn, $sql)) {
19     echo "Record deleted successfully";
20 } else {
21     echo "Error deleting record: " . mysqli_error($conn);
22 }
23
24 mysqli_close($conn);
25 ?>
```