1. 5 points. Secure login. Write your connect script in a different file for improved security.

```
yafet@yafet-VirtualBox:/var/www/html$ cat test.php
<html>
<head>

<title>PHP Test</title>
</head>
<body>
<?php

//The above script can be called as:
// Get a connection for the database
require_once('secure/mysqli_connect.php');
//echo 'Test debug';

?>

</body>
</html>

yafet@yafet-VirtualBox:/var/www/html$
```
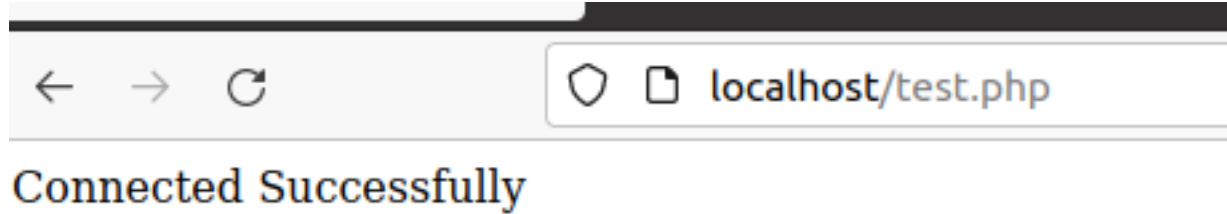
```
yafet@yafet-VirtualBox:/var/www/html$ cd secure/
yafet@yafet-VirtualBox:/var/www/html/secure$ ls
mysqli_connect.php
yafet@yafet-VirtualBox:/var/www/html/secure$ cat mysqli_connect.php
<html>
<head>

<title>PHP Test</title>
</head>
<body>
<?php
$servername = "localhost";
$username = "root";
$password =
$dbname = "db2";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}

echo "Connected Successfully\t";
?>

</body>
</html>
yafet@yafet-VirtualBox:/var/www/html/secure$
```

← → C   ○ ▯ localhost/test.php

Connected Successfully

2. 10 points. Show table data. Choose 1 table from your project and write a PHP script that displays 10 rows in a table format.

```
yafet@yafet-VirtualBox:/var/www/html$ cat test.php
<html>
<head>

<title>PHP Test</title>
</head>
<body>
<?php

//The above script can be called as:
// Get a connection for the database
require_once('secure/mysqli_connect.php');
//echo 'Test debug';

?>

</body>
</html>
```

```
yafet@yafet-VirtualBox:/var/www/html/secure$ cat mysqli_connect.php
<html>
<head>

<style>
table, th, td {
    border: 1px solid black;
}
</style>


</head>
<body>
<?php
$servername = "localhost";
$username = "root";
$password = "        ";
$dbname = "db3";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}
//echo "Connected Successfully\t";

// sql select 10 rows

$sql = "select * from grade_table limit 10";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    echo "<table><tr><th>Grade</th><th>Name</th></tr>";
    // output data of each row
    while($row = $result->fetch_assoc()) {
        echo "<tr><td>" . $row["Grade"]. "</td><td>" . $row["Name"].
```

```
    // output data of each row
    while($row = $result->fetch_assoc()) {
        echo "<tr><td>" . $row["Grade"]. "</td><td>" . $row["Name"].
        "</td></tr>";
    }
    echo "</table>";
} else {
    echo "0 results";
}


$conn -> close();
?>

</body>
</html>

yafet@yafet-VirtualBox:/var/www/html/secure$
```

Grade	Name
NC	John
A	Mike
NC	James
B	Rob
C	Lucas
NC	Ava
A	Mason
C	Sami
B	Liam
NC	Alex

3. 10 points. Insert data. Write a PHP form that inserts or updates one row of data. The script should:
1. Ensure all text entries are complete.
2. Trim leading space characters
3. To prevent code injection, implement the mysqli prepare statement

```
yafet@yafet-VirtualBox:/var/www/html$ cat lab8.html
<!DOCTYPE HTML>
<html>
<head>
        <title>Form</title>
    </head>

<body>

<form action="lab8_q3.php" method="get">
Name of the Student: <input type="text" name="name"><br>
Enter Grade: <input type="text" name="grade"><br>

<input type="submit" value="Submit" >
</form>

</body>
</html>
yafet@yafet-VirtualBox:/var/www/html$
```

```
yafet@yafet-VirtualBox:/var/www/html$ cat lab8_q3.php
<html>
<head>

<title>PHP Test</title>
</head>
<body>
<?php

//The above script can be called as:
// Get a connection for the database

require_once('secure/mysqli_connect_1.php');
//echo 'Test debug';

?>

</body>
</html>
```

```
yafet@yafet-VirtualBox:/var/www/html/secure$ cat mysqli_connect_1.php
<html>

<body>
<?php
$servername = "localhost";
$username = "root";
$password = "        ";
$dbname = "db3";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}
echo "Connected Successfully\t";


// prepare and bind
$stmt = $conn->prepare("INSERT INTO grade_table (Grade, Name) VALUES (? , ?)");
$stmt->bind_param("ss", $Grade, $Name);
```

```
// prepare and bind
$stmt = $conn->prepare("INSERT INTO grade_table (Grade, Name) VALUES (? , ?)");
$stmt->bind_param("ss", $Grade, $Name);

// set parameters and execute

$Grade = trim($_GET["grade"]," ");
$Name = trim($_GET["name"], " ");
$stmt->execute();


echo "New records created successfully";

$stmt->close();
$conn -> close();
?>

</body>
</html>
yafet@yafet-VirtualBox:/var/www/html/secure$ █
```

Form — PHP Test — localhost / localh

localhost/lab8.html

Name of the Student: Amy
Enter Grade: B+
Submit

PHP Test — PHP Test — localhost / localh — Test

localhost/lab8_q3.php?name=+Amy&grade=+B%2B

Connected Successfully New records created successfully

phpMyAdmin

Recent | Favorites

- New
- db2
- db3
  - Procedures
  - Tables
    - New
    - COURSE
    - GRADE_REPORT
    - grade_table
    - PREREQUISITE
    - SECTION
    - STUDENT

Show Applications hema
mysql

Server: localhost:3306 » Database: db3 » Table: grade_table

Browse | Structure | SQL | Search | Insert

Grade	Name
NC	John
A	Mike
NC	James
B	Rob
C	Lucas
NC	Ava
A	Mason
C	Sami
B	Liam
NC	Alex
C	Mia
C	William
A	Sarah
A	Oliver
B+	Amy

Console