ST LAB 6

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1. Retrieve data from database in table format.

```html
<table border="1">
  <tr>
    <th>Roll No.</th>
    <th>Name</th>
    <th>email</th>
    <th>CGPA</th>
  </tr>


  <?php
  $conn = new mysqli("localhost", "root", "", "st_lab");
  // Check connection
  if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
  }
  echo "Connected successfully";

  $sql = "SELECT * FROM students";
  $result = $conn->query($sql);


  if ($result->num_rows > 0) {
    // output data of each row
    while ($row = $result->fetch_assoc()) {
      echo "<tr>";
      echo "<td>" . $row["roll_no"] . "</td>";
      echo "<td>" . $row["name"] . "</td>";
      echo "<td>" . $row["email"] . "</td>";
      echo "<td>" . $row["cgpa"] . "</td>";
      echo "</tr>";
    }
  } else {
    echo "0 results";
  }
  $conn->close();
  ?>
</table>
```

2. Delete data from table using button.

```
<style>
  inline {
    display: inline;
  }
</style>
<table border="1">
  <tr>
    <th>Roll No.</th>
    <th>Name</th>
    <th>email</th>
    <th>CGPA</th>
    <th>Delete</th>
  </tr>

  <?php
  $conn = new mysqli("localhost", "root", "", "st_lab");
  // Check connection
  if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
  }
  echo "Connected successfully";

  $sql = "SELECT * FROM students";
  $result = $conn->query($sql);

  if ($result->num_rows > 0) {
    // output data of each row
    while ($row = $result->fetch_assoc()) {
      echo "<tr>";
```

```php
      echo "<td>" . $row["roll_no"] . "</td>";
      echo "<td>" . $row["name"] . "</td>";
      echo "<td>" . $row["email"] . "</td>";
      echo "<td>" . $row["cgpa"] . "</td>";
      echo "<td><a
href='delete.php?id=".$row["roll_no"]."'><button>Delete</button><a></td>
";
      echo "</tr>";
    }
  } else {
    echo "0 results";
  }
  $conn->close();
  ?>
</table>
```

delete.php:

```php
<?php
$conn = new mysqli("localhost", "root", "", "st_lab");
$sql = "DELETE FROM students WHERE roll_no=".$_GET["id"];
$conn->query($sql);
?>
<script>
  window.location.replace("/lab-6/q2.php");
</script>
```

Connected successfully

Roll No.	Name	email	CGPA	Delete
1	Alexis	alexis@manu.com	8.5	Delete
2	Bjarne	bjarne@cpp.com	10	Delete
3	Casey	casey@neistat.com	54	Delete
4	Donald	donald@trump.com	2	Delete
5	Kevin	kevin@wonderful.com	7.8	Delete
6	Sahil	sahilbondre@gmail.com	9.5	Delete

Before pressing delete on row 6

After deleting last entry

3. Insert the data into the MYSQL database using web form.

```html
<!DOCTYPE html>
<html>

<head>
  <title>Form</title>
  <style>
    body {
      margin: 15px 20%;
      font-family: sans-serif;
    }

    b {
      display: block;
    }

    .block {
      display: block;
      width: 270px;
      border: 1px solid #787878;
      padding: 10px;
      margin: 10px;
    }
  </style>
</head>

<body>
  <h1>Add New Student</h1>
  <form method="get" action="add.php">
    <label class="block">
      <b>Name: </b>
      <input type="text" name="name" required="true">
    </label>
```

```html
    <label class="block">
      <b>Email: </b>
      <input type="email" name="email" required="true">
    </label>
    <label class="block">
      <b>CGPA: </b>
      <input type="number" name="cgpa" step="0.01" required="true">
    </label>
    <label class="block">
      <input type="submit" name="submit">
    </label>
</form>

<table border="1">
    <tr>
      <th>Roll No.</th>
      <th>Name</th>
      <th>email</th>
      <th>CGPA</th>
    </tr>


    <?php
    $conn = new mysqli("localhost", "root", "", "st_lab");
    // Check connection
    if ($conn->connect_error) {
      die("Connection failed: " . $conn->connect_error);
    }

    $sql = "SELECT * FROM students";
    $result = $conn->query($sql);


    if ($result->num_rows > 0) {
      // output data of each row
      while ($row = $result->fetch_assoc()) {
        echo "<tr>";
        echo "<td>" . $row["roll_no"] . "</td>";
        echo "<td>" . $row["name"] . "</td>";
        echo "<td>" . $row["email"] . "</td>";
        echo "<td>" . $row["cgpa"] . "</td>";
        echo "</tr>";
      }
    } else {
      echo "0 results";
    }
```

```
        $conn->close();
    ?>
  </table>

</body>

</html>
```
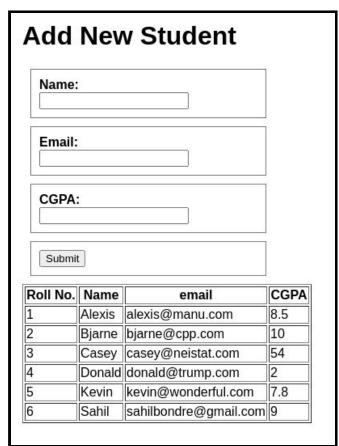
add.php:

```php
<?php
$conn = new mysqli("localhost", "root", "", "st_lab");
$q1 = "SELECT COUNT(*) FROM students";
$c = $conn->query($q1)->fetch_array()[0] + 1;
$sql = "INSERT INTO `students` (`roll_no`, `name`, `email`, `cgpa`)
VALUES ('" . $c. "', '" . $_GET['name'] . "', '" . $_GET['email'] . "',
'" . $_GET['cgpa'] . "');";
echo $sql;
$conn->query($sql);

?>
<script>
  window.location.replace("/lab-6/q3.php");
</script>
```

Add New Student

Name:
Sahil

Email:
sahilbondre@gmail.com

CGPA:
9.00

Submit

Roll No.	Name	email	CGPA
1	Alexis	alexis@manu.com	8.5
2	Bjarne	bjarne@cpp.com	10
3	Casey	casey@neistat.com	54
4	Donald	donald@trump.com	2
5	Kevin	kevin@wonderful.com	7.8

Before submit

Add New Student

Name:

Email:

CGPA:

Submit

Roll No.	Name	email	CGPA
1	Alexis	alexis@manu.com	8.5
2	Bjarne	bjarne@cpp.com	10
3	Casey	casey@neistat.com	54
4	Donald	donald@trump.com	2
5	Kevin	kevin@wonderful.com	7.8
6	Sahil	sahilbondre@gmail.com	9

After pressing submit

4. Update the data present in the MYSQL database using web form.

```
<style>
  inline {
    display: inline;
  }
</style>
<table border="1">
  <tr>
    <th>Roll No.</th>
    <th>Name</th>
    <th>email</th>
    <th>CGPA</th>
    <th>Action</th>
  </tr>

  <?php
  $conn = new mysqli("localhost", "root", "", "st_lab");
  // Check connection
  if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
  }
  echo "Connected successfully";

  $sql = "SELECT * FROM students";
  $result = $conn->query($sql);


  if ($result->num_rows > 0) {
    // output data of each row
    while ($row = $result->fetch_assoc()) {
      echo "<tr><form action='update.php' method='get'>";
      echo "<td>" . $row["roll_no"] . "<input name='roll_no'
type='hidden' value='" . $row["roll_no"] . "'/></td>";
      echo "<td><input name='name' value='" . $row["name"] . "'/></td>";
      echo "<td><input name='email' value='" . $row["email"] .
"'/></td>";
      echo "<td><input name='cgpa' value='" . $row["cgpa"] . "'/></td>";
      echo "<td><input type='submit' value='Update'/></td>";
      echo "</form></tr>";
    }
  } else {
    echo "0 results";
  }
  $conn->close();
  ?>
</table>
```

update.php:

```php
<?php
$conn = new mysqli("localhost", "root", "", "st_lab");

$sql = "UPDATE `students` SET `email` = '" . $_GET['email'] . "', `name`
= '" . $_GET['name'] . "', `cgpa` = '" . $_GET['cgpa'] . "' WHERE
`students`.`roll_no` = " . $_GET["roll_no"] . ";";
echo $sql;
$conn->query($sql);
?>
<script>
  window.location.replace("/lab-6/q4.php");
</script>
```

Before Roll No 2 has 10 cgpa:

Connected successfully

Roll No.	Name	email	CGPA	Action
1	Alexis	alexis@manu.com	8.5	Update
2	Bjarne	bjarne@cpp.com	10	Update
3	Casey	casey@neistat.com	54	Update
4	Donald	donald@trump.com	2	Update
5	Kevin	kevin@wonderful.com	7.8	Update
6	Sahil	sahilbondre@gmail.com	9	Update

After Roll No 2 has 9 cgpa:

Connected successfully

Roll No.	Name	email	CGPA	Action
1	Alexis	alexis@manu.com	8.5	Update
2	Bjarne	bjarne@cpp.com	9	Update
3	Casey	casey@neistat.com	54	Update
4	Donald	donald@trump.com	2	Update
5	Kevin	kevin@wonderful.com	7.8	Update
6	Sahil	sahilbondre@gmail.com	9	Update

5. Perform the following operations with PHP and MYSQL connectivity.

● **Create appropriate web pages to perform MySQL connectivity.**

● **Create a Registration page to perform insertion Operation.**

● **Create a Profile page to perform update operations and deletion of User.**

● **Login page for authentication.**

● **Logout page for session management.**

index.php:

```html
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Welcome</title>
  <style>
    body {
      margin: 15px 20%;
      font-family: sans-serif;
    }

    b {
      display: block;
    }

    .error {
      color: red;
    }

    .block {
      display: block;
      width: 270px;
      /* border: 1px solid #787878; */
      padding: 10px;
      margin: 10px;
    }
  </style>
</head>

<body>
```

```html
<h1>Welcome to MySpace!</h1>
<h2>Signup:</h2>
<form action="/lab-6/q5/login-user.php" method="post">
  <label class="block">
    <b>username: </b>
    <input type="text" name="username" required="true">
  </label>
  <label class="block">
    <b>password: </b>
    <input type="password" name="password" required="true">
  </label>
  <label class="block">
    <input type="submit" name="submit">
    <?php
    if (isset($_COOKIE["error"])) {
      echo "<p class='error'>" . $_COOKIE["error"] . "</p>";
    }
    ?>
  </label>
</form>
<p>
  New User?
  <a href="register.php">register</a>
</p>
</body>

</html>
```

register.php

```html
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Register</title>
  <style>
    body {
      margin: 15px 20%;
      font-family: sans-serif;
    }

    b {
      display: block;
    }
```

```css
      .block {
        display: block;
        width: 270px;
        /* border: 1px solid #787878; */
        padding: 10px;
        margin: 10px;
      }

      .class {
        color: red;
      }
    </style>
  </head>

  <body>
    <h1>Join MySpace!</h1>
    <form action="/lab-6/q5/register-user.php" method="post">
      <label class="block">
        <b>username: </b>
        <input type="text" name="username" required="true">
      </label>
      <label class="block">
        <b>name: </b>
        <input type="text" name="name" required="true">
      </label>
      <label class="block">
        <b>email: </b>
        <input type="text" name="email" required="true">
      </label>
      <label class="block">
        <b>password: </b>
        <input type="password" name="password" required="true">
      </label>
      <label class="block">
        <input type="submit" name="submit">
      </label>
    </form>
    <?php
    if (isset($_COOKIE["error"])) {
      echo "<p class='error'>" . $_COOKIE["error"] . "</p>";
    }
    ?>
  </body>

</html>
```

profile.php:

```
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Profile</title>
  <style>
    body {
      margin: 15px 20%;
      font-family: sans-serif;
    }

    b {
      display: block;
    }

    .block {
      display: block;
      width: 270px;
      /* border: 1px solid #787878; */
      padding: 10px;
      margin: 10px;
    }

    .class {
      color: red;
    }
  </style>
</head>

<body>
  <?php
  if (!isset($_COOKIE["auth"])) {
    setcookie("error", "Signin first", time() + 2);
    header("location: index.php");
    die;
  }
  echo "<h1>Welcome " . $_COOKIE["username"] . "!</h1>";
  echo "<h2>Your Status " . $_COOKIE["status"] . "</h2>";
  ?>
  <form action="/lab-6/q5/set-status.php" method="post">
    <label class="block">
      <b>Status: </b>
      <input type="text" name="status" required="true">
    </label>
```

```php
      <label class="block">
        <input type="submit" name="submit" value="Set Status">
      </label>
    </form>
    <?php
    if (isset($_COOKIE["error"])) {
      echo "<p class='error'>" . $_COOKIE["error"] . "</p>";
    }
    ?>

    </label>
    </form>
    <h2>What's up with people!</h2>
    <table>
      <tr>
        <th>Username</th>
        <th>Status</th>
      </tr>
      <?php

      $conn = new mysqli("localhost", "root", "", "st_lab");
      // Check connection
      if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
      }

      $sql = "SELECT * FROM users";
      $result = $conn->query($sql);


      if ($result->num_rows > 0) {
        // output data of each row
        while ($row = $result->fetch_assoc()) {
          echo "<tr>";
          echo "<td>" . $row["username"] . "</td>";
          echo "<td>" . $row["status"] . "</td>";
          echo "</tr>";
        }
      } else {
        echo "0 results";
      }
      $conn->close();

      ?>
    </table>
```

```html
  <form action="/lab-6/q5/logout.php" method="post">
    <label class="block">
      <input type="submit" name="logout" value="Logout">
    </label>
  </form>
  <form action="/lab-6/q5/delete.php" method="post">
    <label class="block">
      <input type="submit" name="logout" value="Delete">
    </label>
  </form>
</body>

</html>
```

delete.php:

```php
<?php
$username = $_COOKIE["username"];
$conn = new mysqli("localhost", "root", "", "st_lab");
$sql = "DELETE FROM `users` WHERE `users`.`username` = '" . $username .
"';";
echo $sql;
$conn->query($sql);
header("location: logout.php");
die;
```

login-user.php

```php
<?php
$username = $_POST["username"];
$password = $_POST["password"];

echo $username;
echo $password;

$conn = new mysqli("localhost", "root", "", "st_lab");
// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}
//check if username is taken
$sql = "SELECT * FROM `users` WHERE username='" . $username . "' AND
password='" . $password . "'";
$result = $conn->query($sql);

if ($result->num_rows == 0) {
```

```php
    setcookie("error", "Username or Password wrong", time() + 2);
    header("location: index.php");
    die;
}


$row = $result->fetch_assoc();
$status = $row["status"];
$email = $row["email"];
echo $status;

setcookie("auth", "true", time() + 60 * 60 * 24);
setcookie("username", $username, time() + 60 * 60 * 24);
setcookie("status", $status, time() + 60 * 60 * 24);
setcookie("email", $email, time() + 60 * 60 * 24);
header("location: profile.php");
die;
```

logout.php:

```php
<?php
unset($_COOKIE["auth"]);
setcookie("auth", null, -1);
header("location: index.php");
die;
```

register-user.php

```php
<?php
$name = $_POST["name"];
$username = $_POST["username"];
$password = $_POST["password"];
$email = $_POST["email"];

$conn = new mysqli("localhost", "root", "", "st_lab");
// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}
//check if username is taken
$sql = "SELECT * FROM `users` WHERE username='" . $username . "'";
$result = $conn->query($sql);

if ($result->num_rows != 0) {
```

```php
    setcookie("error", "Username is already taken", time() + 2);
    header("location: register.php");
    die;
}

$sql = "INSERT INTO `users` (`username`, `password`, `email`, `status`)
VALUES ('" . $username . "', '" . $password . "', '" . $email . "', 'I
am using MYSpace!');";
echo $sql;
$conn->query($sql);
header("location: index.php");

die;
```
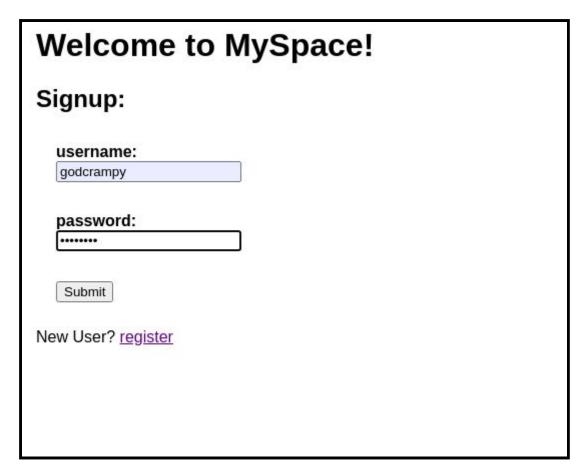
set-status.php

```php
<?php
// check if auth
$status = $_POST["status"];
$username = $_COOKIE["username"];

echo $status;
echo $username;
// update cookie
setcookie("status", $status, time() + 60 * 60 * 24);
// update db
$conn = new mysqli("localhost", "root", "", "st_lab");

$sql = "UPDATE `users` SET `status` = '" . $status . "' WHERE
`users`.`username` = '" . $username . "';";
echo $sql;
$conn->query($sql);
header("location: profile.php");
die;
```

Welcome to MySpace!

Signup:

username:

password:

Submit

New User? register

Welcome to MySpace!

Signup:

username:

password:

Submit

Username or Password wrong

New User? register

Welcome godcrampy!

Your Status Party!!!

Status:

[   ]

[Set Status]

What's up with people!

Username	Status
admin	Bored!!!
godcrampy	Party!!!

[Logout]

[Delete]

Welcome to MySpace!

Signup:

username:

godcrampy

password:

••••••••

Submit

New User? register

Join MySpace!

username:

name:

email:

password:

Submit