Problem no: 01

Problem name: Write HTML code for following table and design it your own choice using CSS.

A table with marged using rowspan and colspan

Gender	Average		Red eyes
	Height	Weight	
Males	5.6	55.5	40%
Females	5.1	50.5	60%

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Table</title>
</head>
<style>
  body{
    margin: 0;
    font-family: monospace;
  }
  .container{
    width: 700px;
    height: 400px;
    margin: auto;
    margin-top: 0;
    text-align: center;
  }
  .container h2{
    font-size: 20px;
    font-weight: 600;
  }
  table{
    width: 100%;
    text-align: center;
    border-collapse: collapse;
  }

  table tr th, table tr td{
    padding: 5px 0;
  }

</style>
```

```
<body>
    <div class="container">
        <h2>A table with marged using rowspan and colspan</h2>
        <table border="1">
            <tr>
                <th rowspan="2">Gender</th>
                <th colspan="2">Average</th>
                <th rowspan="2">Red eyes</th>
            </tr>
            <tr>
                <th>Height</th>
                <th>Weight</th>
            </tr>
            <tr>
                <td>Males</td>
                <td>5.6</td>
                <td>55.5</td>
                <td>40%</td>
            </tr>
            <tr>
                <td>Females</td>
                <td>5.1</td>
                <td>50.5</td>
                <td>60%</td>
            </tr>
        </table>
    </div>
</body>
</html>
```

Output

A table with marged using rowspan and colspan

Gender	Average		Red eyes
	Height	Weight	
Males	5.6	55.5	40%
Females	5.1	50.5	60%

Problem no: 02

Problem name: Create a web page for internal links; when the user clicks on different links on the webpage it should go to the appropriate locations/sections in the same page and display different order list.

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Section with link</title>
</head>
<style>
    body{
        margin: 0;
        font-family: monospace;
    }
</style>
<body>
    <header>
        <div class="navbar">
            <nav class="container">
                <div class="main_logo">
                    <a href="">FreeDesign</a>
                </div>
                <div class="main_menu">
                    <ul>
                        <li><a href="#header">Home</a></li>
                        <li><a href="#about">About</a></li>
                        <li><a href="#team">Teams</a></li>
                        <li><a href="#service">Services</a></li>
                        <li><a href="#contact">Contact</a></li>
                    </ul>
                </div>
            </nav>
        </div>
    </header>
    <section class="about" id="about">
        <h2>About Us</h2>
```

```
        <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Consequatur ad, esse dignissimos
numquam adipisci iure provident id aliquid molestias voluptates tempora praesentium nulla reprehenderit
pariatur quis temporibus. Dolor beatae explicabo nam ex, a doloremque voluptas sunt. Eius optio vitae
aperiam ipsum, ea dicta libero obcaecati architecto suscipit fugiat maxime asperiores.</p>

    </section>
    <section class="team" id="team">
        <h2>Our Teams</h2>
            <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Consequatur ad, esse dignissimos
numquam adipisci iure provident id aliquid molestias voluptates tempora praesentium nulla reprehenderit
pariatur quis temporibus. Dolor beatae explicabo nam ex, a doloremque voluptas sunt. Eius optio vitae
aperiam ipsum, ea dicta libero obcaecati architecto suscipit fugiat maxime asperiores.</p>
    </section>
    <section class="service" id="service">
        <h2>Our Services</h2>
            <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Consequatur ad, esse dignissimos
numquam adipisci iure provident id aliquid molestias voluptates tempora praesentium nulla reprehenderit
pariatur quis temporibus. Dolor beatae explicabo nam ex, a doloremque voluptas sunt. Eius optio vitae
aperiam ipsum, ea dicta libero obcaecati architecto suscipit fugiat maxime asperiores.</p>
    </section>
    <section class="contact" id="contact">
        <h2>Contact Us</h2>
        <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Consequatur ad, esse dignissimos
numquam adipisci iure provident id aliquid molestias voluptates tempora praesentium nulla reprehenderit
pariatur quis temporibus. Dolor beatae explicabo nam ex, a doloremque voluptas sunt. Eius optio vitae
aperiam ipsum, ea dicta libero obcaecati architecto suscipit fugiat maxime asperiores.</p>
    </section>
    <a href="#">Back to top</a>
</body>
</html>
```

Output

FreeDesign
- Home
- About
- Teams
- Services
- Contact

About Us

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Consequatur ad, esse dignissimos numquam adipisci iure provident id aliquid molestias voluptates tempora praesentium nulla reprehenderit pariatur quis temporibus. Dolor beatae explicabo nam ex, a doloremque voluptas sunt. Eius optio vitae aperiam ipsum, ea dicta libero obcaecati architecto suscipit fugiat maxime asperiores.

Our Teams

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Consequatur ad, esse dignissimos numquam adipisci iure provident id aliquid molestias voluptates tempora praesentium nulla reprehenderit pariatur quis temporibus. Dolor beatae explicabo nam ex, a doloremque voluptas sunt. Eius optio vitae aperiam ipsum, ea dicta libero obcaecati architecto suscipit fugiat maxime asperiores.

Our Services

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Consequatur ad, esse dignissimos numquam adipisci iure provident id aliquid molestias voluptates tempora praesentium nulla reprehenderit pariatur quis temporibus. Dolor beatae explicabo nam ex, a doloremque voluptas sunt. Eius optio vitae aperiam ipsum, ea dicta libero obcaecati architecto suscipit fugiat maxime asperiores.

Contact Us

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Consequatur ad, esse dignissimos numquam adipisci iure provident id aliquid molestias voluptates tempora praesentium nulla reprehenderit pariatur quis temporibus. Dolor beatae explicabo nam ex, a doloremque voluptas sunt. Eius optio vitae aperiam ipsum, ea dicta libero obcaecati architecto suscipit fugiat maxime asperiores.

Back to top

Problem no: 03
Problem name: Write HTML code for the following picture:
 i) Alignment text level and text box using CSS and
ii) Connect this form into database using PHP.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Personal Details</title>
   <?php

      $host_name ="localhost";
      $user_name ="weblab";
      $password="weblab";
      $db_name ="student";

      $conn = new mysqli($host_name, $user_name, $password, $db_name);
      if($conn -> connect_error){
         die( "Faild to connect mysql" . $conn -> connect_error);
      }

      if(isset($_POST['name']) && isset($_POST['email'])&& isset($_POST['password']) &&
isset($_POST['gender'])){

         $name = $_POST['name'];
         $email = $_POST['email'];
         $password = (string)md5($_POST['password']);
         $gender = $_POST['gender'];

         $sql = "INSERT INTO stu_reg(name, email, password, gender)
               VALUES('$name', '$email', '$password', '$gender')";

         $result = $conn -> query($sql);
```

```
        }
    ?>
</head>
<style>
    body{
        margin: 0;
        background: #151644;
        font-family: monospace;
    }
    .container{
        width: 400px;
        margin: auto;
    }
    .content{
        margin-top: 100px;
        padding: 30px 20px;
        background: #fff;
        text-align: center;
        border: 2px solid #fff;
        border-radius: 20px;
    }
    .content h3{
        margin: 0;
        padding: 0;
        margin-bottom: 30px;
    }
    .container table{
        table-layout: auto;
        width: 100%;
    }
    .right{
        text-align: left;
    }
    form td input{
        margin: 5px 0;
        width: 98%;
        padding: 5px 2px;
        border: 1px solid #151644;
        border-radius: 5px;
    }
    .gender input{
        width: 30px;
    }
    .button{
        width: 35%;
        margin-top: 20px;
        padding:8px 30px;
```

```
        background: #151644;
        color: #fff;
        font-size: 18px;
        font-weight: 500;
        border: 1px solid #151644;
        border-radius: 5px;

    }
</style>
<body>
    <div class="container">
        <div class="content">
        <h3>Personal details</h3>
            <form method="POST">
                <table>
                    <tr>
                        <td class="right"><label for="name">First Name: </label></td>
                        <td><input type="text" id="name" name="name"></td>
                    </tr>
                    <tr>
                        <td class="right"><label for="email">Email: </label></td>
                        <td><input type="email" id="email" name="email"></td>
                    </tr>
                    <tr>
                        <td class="right"><label for="pass">Password: </label></td>
                        <td><input type="password" id="pass" name="password"></td>
                    </tr>
                    <tr>
                        <td class="right"><label for="">Gender: </label></td>
                        <td class="gender">
                            <input type="radio" name="gender" id="male" value="male" checked>
                            <label for="male">Male</label>
                            <input type="radio" name="gender" id="female" value="female">
                            <label for="female">Female</label>
                        </td>
                    </tr>
                </table>
                <input class="button" type="button" value="Submit">
            </form>
        </div>
    </div>
</body>
</html>
```

Output

Problem no: 04

Problem name: Write JavaScript to validate the following fields of the above registration page.

i) Name (Name should contains alphabets and the length should not be less than 6characters).

ii) Password (Password should not be less than 6 characters length).

iii) E-mail id (should not contain any invalid and must follow the standard patternname@domain.com)

iv) Phone number (Phone number should contain 10 digits only).

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Personal Details</title>
</head>
<style>

  body{
    margin: 0;
    background: #151644;
    font-family: monospace;
  }
  .container{
    width: 400px;
    margin: auto;
  }
  .content{
    margin-top: 100px;
    padding: 30px 20px;
    background: #fff;
    text-align: center;
    border: 2px solid #fff;
    border-radius: 20px;
  }
  .content h3{
    margin: 0;
    padding: 0;
    margin-bottom: 30px;
  }
  .container table{
    table-layout: auto;
    width: 100%;
  }
  .right{
```

```
        text-align: left;
      }
      form td input{
         margin: 5px 0;
         width: 98%;
         padding: 5px 2px;
         border: 2px solid #333;
         border-radius: 5px;
      }
      form td input:focus{
         border: 2px solid #151644;
         outline: none;
      }
      .button{
         margin-top: 20px;
         padding:8px 30px;
         background: #151644;
         color: #fff;
         font-size: 18px;
         font-weight: 500;
         border: 1px solid #151644;
         border-radius: 5px;
         display: block;

      }
</style>
<script>
   function validate_uname(uname){
      const letter = /^[a-zA-Z]+$/;
      if(uname.match(letter)){
         return false;
      }
      else {
         return true;
      }
   }
   function validate_email(email){
      const email_validator = /^[A-Za-z\._\-0-9]*[@][A-Za-z]*[\.][a-z]{2,4}$/;
      if(email.match(email_validator)){
         return false;
      }
      else {
         return true;
      }
```

```
      }
    function validate_phone(phone){
        const phone_validator = /^[0-9]+$/;
        if(phone.match(phone_validator)){
          return false;
        }
        else {
          return true;
        }

      }
    function validate(){
        const uname = document.getElementById("name");
        const email = document.getElementById("email");
        const phone = document.getElementById("phone");
        const password = document.getElementById("password");
        if(uname.value.length < 6 || validate_uname(uname.value)){
          uname.style.borderColor = "red";
          return false;
        }
        if(validate_email(email.value)){
          email.style.borderColor = "red";
          return false;
        }
        if(validate_phone(phone.value) || phone.value.length != 10){
          phone.style.borderColor = "red";
          return false;
        }
        if(password.value.length < 6){
          password.style.borderColor = "red";
          return false;
        }
        else{
          alert("Successfully validate")
          return true;
        }

    }
</script>
<body>
    <div class="container">
      <div class="content">
      <h3>Personal details</h3>
        <form onsubmit="return validate()" action="message.html" name="myform">
```

```
<table>
  <tr>
    <td class="right"><label for="name">Enter your Name: </label></td>
    <td>
      <input id="name" type="text" placeholder="Name at least 6 charecter">
    </td>
  </tr>
  <tr>
    <td class="right"><label for="email">Email: </label></td>
    <td><input id="email" type="text" placeholder="Enter your email"></td>
  </tr>
  <tr>
    <td class="right"><label for="phone">Phone Number: </label></td>
    <td><input id="phone" type="text" placeholder="Phone number must be 10 digits"></td>
  </tr>
  <tr>
    <td class="right"><label for="password">Password: </label></td>
    <td><input id="password" type="password" placeholder="Password at least 6 charecter"></td>
  </tr>
  <tr>
    <td></td>
    <td><button class="button" type="submit">Submit</button></td>
  </tr>
</table>
      </form>
    </div>
  </div>
</body>
</html>
```

Output:

Personal details

Enter your Name:	MdSohagHossain
Email:	sohaghossainice@gmail.com
Phone Number:	1648616567
Password:	Password at least 6 charecter

Submit

Problem no: 05

Problem name: Write HTML code to create a frameset with two vertical frames: the first frame is 250 pixelswide. Fill the first frame (left _vertical) with links of *ice.html* and *it.html*. Second frame further divided into two horizontal frames(400px,350px).Fill the Top frame (right_top)with *ice.html* and Bottom (right_bottom) with *it.html*

Code:
```
<!DOCTYPE html>
<html>
<head>
        <title>Home</title>
        <meta charset="UTF-8">
</head>
<frameset cols="250,*">
        <frame src="ice.html" name="left_vertical">
        <frameset rows="400,350">
                <frame src="ice.html" name="right_top">
                <frame src="it.html" name="right_bottom">
        </frameset>
</frameset>
</html>
```

Output:

Welcome to ice	Welcome to ice
	Welcome to IT

Problem no: 06

Problem name: Write JavaScript code using a for loop that will iterate from 0 to 30. For each iteration, it will check if the current number is odd or even and display a message on the screen.

Code:
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Even Odd</title>
</head>
<style>
    body p{
        text-align: center;
    }
</style>
<script>
    for(i = 0; i<=30; i++){
        if(i%2==0){
            display_div = i+" is an even number";
            alert(display_div);
        }
        else{
            display_div = i+" is an odd number";
            alert(display_div);
        }
    }
</script>
<body>

</body>
</html>
```

Output:

127.0.0.1:5500 says

5 is an odd number

OK

Problem no: 07

Problem name: Write a PHP program to calculate Electricity bill in single page for units.

   Conditions:

   For units less 50   – Taka. 3.50/unit

   For units 51 to 100   – Taka. 4.00/unit

   For units 101 to 200   – Taka. 5.20/unit

   For units above 250   – Taka. 6.50/unit

Code:

```php
<?php
  $p = "";
  if(isset($_POST["unit"])){
    $unit = $_POST["unit"];
    $price = 0;
    if($unit <= 50){
      $price = $unit*3.5;
    }
    elseif($unit <= 100){
      $price = $unit*4.0;
    }
    elseif($unit <= 200){
      $price = $unit*5.20;
    }
    else{
      $price = $unit*6.50;
    }
    $p = "<p> Unit is: ".$unit." Bill is ".$price." Taka</p>";
  }
?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Electric Bill</title>
</head>
<style>
  body{
    margin: 0;
  }
  .form_style{
    width: 300px;
    margin: auto;
  }
```

```
    form{
        margin-top: 80px;
        font-family: arial;
    }
    form label{
        margin-bottom: 10px;
        display: block;
        font-size: 18px;
    }
    form button{
        margin-top: 10px;
        padding: 3px 10px;
        border: 1px solid #000;
        background: #000;
        color: #fff;
        font-size: 18px;
        border-radius: 2px;
    }
</style>
<body>
    <div class="form_style">
        <form action="" method="post">
            <label for="unit">Enter your number of units</label>
            <input type="number" id="unit" name="unit" value="<?php echo $unit ?>">
            <br>
            <button type="submit">Submit</button>
        </form>
        <?php echo ($p); ?>
    </div>
</body>
</html>
```

Output

Enter your number of units

20

Submit

Unit is: 20 Bill is 70 Taka

Problem no: 08

Problem name: Write a simple calculator program using PHP in single page.

  Operations:
  Addition
  Subtraction
  Multiplication
  Division

Code:

```php
<?php
  $result="";
  $num1=null;
  $num2=null;
  if(isset($_GET['submit'])){
    if(isset($_GET['num1']) && isset($_GET['num2']) && isset($_GET['operation'])){
      $num1 = $_GET['num1'];
      $num2 = $_GET['num2'];
      $op = $_GET['operation'];
      $result = "";
      switch($op){
        case "add":
          $r = $num1 + $num2;
          $result = "Addtion is: $num1 + $num2 = $r";
          break;
        case "sub":
          $r = $num1 - $num2;
          $result = "Substarction is: $num1 - $num2 = $r";
          break;
        case "mul":
          $r = $num1 * $num2;
          $result = "Multiplication is: $num1 * $num2 = $r";
          break;
        case "div":
          $r = $num1 / $num2;
          $result = "Division is: $num1 / $num2 = $r";
          break;

      }
    }
  }
?>

<!DOCTYPE html>
```

```html
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Calculator</title>
   <style>
      body{
          font-family: monospace;
      }
       .container {
          width: 50%;
          margin: 0 auto;
      }

       form{
          margin-top: 60px;
      }
       form label{
          display: block;
          font-size: 16px;
          margin-top: 15px;
      }
       form input{
          margin-top: 5px;
      }
   </style>
</head>
<body>
   <div class="container">
     <form method="GET">
        <label for="num1">Enter your first number</label>
        <input type="text" id="num1" name="num1" value="<?php echo $num1 ?>"required>
        <label for="num2">Enter your second number</label>
        <input type="text" id="num2" name="num2" value="<?php echo $num2 ?>"required>
        <label for="op">Select a operation</label>
        <select id="op" name="operation">
          <option value="add">Addition</option>
          <option value="sub">Substraction</option>
          <option value="mul">Multiplication</option>
          <option value="div">Division</option>
        </select>
        <br>
        <input type="submit" name="submit" value="submit">
     </form>
```

```
        <?php echo  "<p>$result</p>"?>
    </div>
</body>
</html>
```

Output

Enter your first number

12

Enter your second number

12

Select a operation

Addition

submit

Addtion is: 12 + 12 = 24

Problem no: 9

Problem name:

A. Solve the following **Task-1** and **Task-2.**
Task-1: Create a database called **Student** in XAMPP MySQL.
Task-2: Create a table called **Semester_Reg** in the **Student** database having the structure as shown below.

Field name	Data type	Requirement
ID	Number/Text	Mandatory and primary key
Name	Text	Mandatory
Session	Text	Must follow the format like **2017-2018**
Phone_No	Text	Optional
City	Text	For example **Pabna**
Gender	Text	Only (**Male or Female**)

B. Solve the following **P** marked tasks.
Task 3: Insert some sample data into **Semester_Reg** table using PHP program.
Task 4: Write a PHP program to show the all records of **Semester_Reg** table.
Task 5: Delete single sample data from **Semester_Reg** table using PHP program.
Task 6: Update one sample data of **Semester_Reg** table using PHP program.

Code:
Folder structure:

connection.php	10/20/2023 5:03 PM	PHP Source File	1 KB
delete.php	10/20/2023 5:52 PM	PHP Source File	1 KB
edit.php	10/20/2023 5:45 PM	PHP Source File	5 KB
index.php	10/20/2023 6:01 PM	PHP Source File	2 KB
insert.php	10/20/2023 11:16 PM	PHP Source File	4 KB
style.css	10/20/2023 6:03 PM	CSS File	1 KB

Connection.php:

```php
<?php

$host_name ="localhost";
$user_name ="weblab";
$password="weblab";
$db_name ="student";

$conn = new mysqli($host_name, $user_name, $password, $db_name);
if($conn -> connect_error){
    die( "Faild to connect mysql" . $conn -> connect_error);
}
```

Index.php:

```php
<?php
   require_once("connection.php");

?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Student info</title>
   <link rel="stylesheet" href="style.css">
</head>
<body>
   <div class="container">

      <div class="table">
         <h2>All Students</h2>
         <table >
            <tr>
               <th>Id</th>
               <th>Name</th>
               <th>Session</th>
               <th>Phone number</th>
               <th>City</th>
               <th>Gender</th>
               <th>Action</th>
            </tr>
            <?php
             $sql = "SELECT * FROM semester_reg";
             $result = $conn -> query($sql);
             while($row = $result -> fetch_assoc()){
               echo "<tr>
                     <td>$row[id]</td>
                     <td>$row[name]</td>
                     <td>$row[st_session]</td>
                     <td>$row[phone]</td>
                     <td>$row[city]</td>
                     <td>$row[gender]</td>
                     <td>
                        <a class='edit_btn' href='edit.php?id=$row[id]'>Edit</a>
                        <a class='delete_btn' href='delete.php?id=$row[id]'>Delete</a>
                     </td>
                  </tr>";
```

```
        }
        $conn->close();
        ?>
      </table>
    </div>
    <a class="add_btn" href="insert.php">Add Student</a>
  </div>
</body>
</html>
```

Output

All Students

Id	Name	Session	Phone number	City	Gender	Action
190631	Md Sohag Hossain	2018-2019	01648616567	Kurigram	Male	Edit Delete
190632	Janatul Nayeem	2018-2019	01788616534	Mymensingh	Male	Edit Delete

Add Student

Insert.php:

```php
<?php
  require_once("connection.php");
  $id = "";
  $name = "";
  $session = "";
  $phone = "";
  $city = "";
  $gender = "";

  $error_message = "";
  $success_message = "";

  if($_SERVER['REQUEST_METHOD'] == 'POST'){
    $id = $_POST["id"];
    $name = $_POST["name"];
    $session = $_POST["session"];
    $phone = $_POST["phone"];
    $city = $_POST["city"];
    $gender = $_POST["gender"];
    if(empty($id) || empty($name) || empty($session) || empty($phone) || empty($city) ||
empty($gender)){
        $error_message = "All fields are required";
    }
    else{
```

```php
        // add new data
        $sql = "INSERT INTO semester_reg(id, name, st_session, phone, city, gender)
        VALUES('$id', '$name', '$session', '$phone', '$city', '$gender')";
        $result = $conn -> query($sql);
        if(!$result){
            $error_message = "Invalid query". $conn -> error;
        }

        $id = "";
        $name = "";
        $session = "";
        $phone = "";
        $city = "";
        $gender = "";
        $success_message = "New student added";

        header("location: index.php");
        exit;

    }
  }
  $conn->close();
?>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Add Student</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="container">

    <div class="form">
      <h2>Add Student</h2>
      <?php if(!empty($error_message)) echo "<p class='error_message'>$error_message</p>"; ?>
      <form method="POST">
      <table>
        <tr>
          <td><label for="id">Id</label></td>
          <td><input type="text" id="id" name="id" value="<?php echo $id;  ?>"></td>
```

```html
        </tr>
        <tr>
          <td><label for="name">Student Name</label></td>
          <td><input type="text" id="name" name="name" value="<?php echo $name;  ?>"></td>
        </tr>
        <tr>
          <td><label for="session">Session</label></td>
          <td><input type="text" id="session" name="session" value="<?php echo $session;  ?>"></td>
        </tr>
        <tr>
          <td><label for="phone">Phone</label></td>
          <td><input type="text" id="phone" name="phone" value="<?php echo $phone;  ?>"></td>
        </tr>
        <tr>
          <td><label for="city">City</label></td>
          <td><input type="text" id="city" name="city" value="<?php echo $city;  ?>"></td>
        </tr>
        <tr>
          <td>Gender</td>
          <td>
            <input type="radio" id="male" name="gender" value="Male" checked>
<span>Male</span>
            <input type="radio" id="female" name="gender" value="Female"> <span>Female</span>
          </td>
        </tr>
        <tr>
          <td></td>
          <td><input type="submit"></td>
        </tr>
      </table>
      <?php if(!empty($success_message)) echo "<p class='success_message'>$success_message</p>";
?>
      </form>
    </div>
  </div>
</body>
</html>
```

Output

Edit.php

```php
<?php
  require_once("connection.php");
  $id = "";
  $name = "";
  $session = "";
  $phone = "";
  $city = "";
  $gender = "";

  $error_message = "";
  $success_message = "";

  if($_SERVER['REQUEST_METHOD'] == 'GET'){
    if(!isset($_GET["id"])){
      header("location: index.php");
      exit;
    }
    $id = $_GET["id"];

    $sql = "SELECT * FROM semester_reg WHERE id=$id";
    $result = $conn -> query($sql);
    $row = $result -> fetch_assoc();

    if(!$row){
      header("location: index.php");
      exit;
    }

    $id = $row["id"];
    $name = $row["name"];
    $session = $row["st_session"];
    $phone = $row["phone"];
    $city = $row["city"];
    $gender = $row["gender"];
  }

  else{
      $id = $_POST["id"];
      $name = $_POST["name"];
      $session = $_POST["session"];
      $phone = $_POST["phone"];
      $city = $_POST["city"];
      $gender = $_POST["gender"];
```

```php
        do{
           if(empty($name) || empty($session) || empty($phone) || empty($city) || empty($gender)){
              $error_message = "All fields are required";
              break;
           }
           // add new data
           $sql = "UPDATE semester_reg
                SET name='$name',
                st_session='$session',
                phone='$phone',
                city='$city',
                gender='$gender'
                WHERE id=$id ";

           $result = $conn -> query($sql);
           if(!$result){
              $error_message = "Invalid query". $conn -> error;
              break;
           }

           header("location: index.php");
           exit;
        } while(true);
   }
   $conn->close();
?>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Add Student</title>
   <link rel="stylesheet" href="style.css">
</head>
<body>
   <div class="container">

      <div class="form">
         <h2>Add Student</h2>
         <?php if(!empty($error_message)) echo "<p class='error_message'>$error_message</p>"; ?>
         <form method="POST">
            <input type="hidden" name="id" value="<?php echo $id;  ?>">
         <table>
```

```
        <tr>
          <td><label for="name">Student Name</label></td>
          <td><input type="text" id="name" name="name" value="<?php echo $name; ?>"></td>
        </tr>
        <tr>
          <td><label for="session">Session</label></td>
          <td><input type="text" id="session" name="session" value="<?php echo $session; ?>"></td>
        </tr>
        <tr>
          <td><label for="phone">Phone</label></td>
          <td><input type="text" id="phone" name="phone" value="<?php echo $phone; ?>"></td>
        </tr>
        <tr>
          <td><label for="city">City</label></td>
          <td><input type="text" id="city" name="city" value="<?php echo $city; ?>"></td>
        </tr>
        <tr>
          <td>Gender</td>
          <td>
            <input type="radio" id="male" name="gender" value="Male"> <span>Male</span>
            <input type="radio" id="female" name="gender" value="Female"> <span>Female</span>
          </td>
        </tr>
        <tr>
          <td></td>
          <td><input type="submit" value="Update"></td>
        </tr>
      </table>
      <?php if(!empty($success_message)) echo "<p class='success_message'>$success_message</p>";
?>
      </form>
    </div>
  </div>
</body>
</html>
```

Output

Delete.php

```php
<?php
require_once("connection.php");

if(isset($_GET["id"])){
    $id = $_GET["id"];

    $sql = "DELETE FROM semester_reg WHERE id=$id";
    $result = $conn -> query($sql);

    if($result){
        header("location: index.php");
    }
}
```

Problem no: 10

Problem name:

  A. Solve the following **Task-1** and **Task-2.**

Task-1: Create a database called **Programmer-** in XAMPP MySQL.

Task-2: Create a table called **Stu_Reg** in the **Programmer** database having the structure as shown below.

Field name	Data type	Requirement
ID	Varchar (30)	Mandatory and primary key
Name	Text	Optional
Image	Varchar(400)	Optional
Password	Number/ Varchar (20)	Mandatory

  B. Solve the following **P** marked tasks.

Task 3: Insert some sample data into **Stu_Reg** table including an encryption algorithm to secure the password.

Task 4: Write a PHP program to show the all records of **Stu_Reg** table.

Task 5: Delete single sample record from **Stu_Reg** table using PHP program.

Code:

Folder Structure:

images	10/20/2023 10:04 PM	File folder	
connection.php	10/20/2023 9:12 PM	PHP Source File	1 KB
delete.php	10/20/2023 10:03 PM	PHP Source File	1 KB
index.php	10/20/2023 9:56 PM	PHP Source File	2 KB
insert.php	10/20/2023 9:43 PM	PHP Source File	3 KB
style.css	10/20/2023 9:58 PM	CSS File	1 KB

Index.php:

```php
<?php
   require_once("connection.php");

?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Student info</title>
   <link rel="stylesheet" href="style.css">
</head>
<body>
```

```php
<div class="container">
    <div class="table">
        <h2>All Programmer</h2>
        <table >
            <tr>
                <th>Id</th>
                <th>Name</th>
                <th>Image</th>
                <th>Action</th>
            </tr>
            <?php
            $sql = "SELECT * FROM stu_reg";
            $result = $conn -> query($sql);
            while($row = $result -> fetch_assoc()){
                echo "
                <tr>
                    <td>$row[id]</td>
                    <td>$row[name]</td>
                    <td><img src='$row[image]'/></td>
                    <td><a class='delete_btn' href='delete.php?id=$row[id]'>Delete</a></td>
                </tr>
                ";
            }
            ?>
        </table>
    </div>
    <a class="add_btn" href="insert.php">Add Prorgammer</a>
</div>
</body>
</html>
```

Output

All Programmer

Id	Name	Image	Action
190602	Zamiul Islam		Delete
190627	Abdul Halim		Delete
190631	Md Sohag Hossain		Delete

Add Prorgammer

Insert.php

```php
<?php
    require_once("connection.php");
    $targetDir = "images/";
    if(isset($_POST['id']) && isset($_POST['name'])&& isset($_FILES['image']) &&
isset($_POST['password'])){

        $id = $_POST['id'];
        $name = $_POST['name'];
        $password = (string)md5($_POST['password']);
        $fileName = basename($_FILES['image']['name']);
        $targetFilePath = $targetDir.$fileName;
        $image = (string)$targetFilePath;


        $sql = "INSERT INTO stu_reg(id, name, image, p_password)
            VALUES('$id', '$name', '$image', '$password')";

        $result = $conn -> query($sql);
        if($result){
           move_uploaded_file($_FILES['image']['tmp_name'], $targetFilePath);
           header("location: index.php");
        }
        else{
           echo "Not Added";
        }

    }
?>

<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Add Student</title>
   <link rel="stylesheet" href="style.css">
</head>
<body>
   <div class="container">

      <div class="form">
         <h2>Add Programmer</h2>
         <form method="POST" enctype="multipart/form-data">
```

```
    <table>
       <tr>
          <td><label for="id">Id</label></td>
          <td><input type="text" id="id" name="id"></td>
       </tr>
       <tr>
          <td><label for="name">Name</label></td>
          <td><input type="text" id="name" name="name"></td>
       </tr>
       <tr>
          <td><label for="image">Upload Profile</label></td>
          <td><input type="file" id="image" name="image"></td>
       </tr>
       <tr>
          <td><label for="password">Password</label></td>
          <td><input type="password" id="password" name="password"></td>
       </tr>
       <tr>
          <td></td>
          <td><input type="submit" name="submit" value="submit"></td>
       </tr>
    </table>
    </form>
  </div>
 </div>
</body>
</html>
```

Output

Add Programmer

Id	190632
Name	Janatul Nayeem
Upload Profile	Choose File cat3.jpg
Password	••••••••
	submit