

## Lab: 1

### 1. WAP to check whether the given number is odd or even.

```
<?php
function checkOddEven($number) {
if ($number % 2 == 0) {
    return "$number is even.";
} else {
    return "$number is odd.";
}
}
$numberToCheck = 10;
$result = checkOddEven($numberToCheck);
echo $result;
?>
```

### 2. WAP to check whether the given number is positive, negative or Zero.

```
<?php
function checkNumber($number) {
    if ($number > 0) {
        return "$number is positive.";
    } elseif ($number < 0) {
        return "$number is negative.";
    } else {
        return "$number is zero.";
    }
}
$numberToCheck = 10;
$result = checkNumber($numberToCheck);
echo $result;
?>
```

### 3. WAP to print name of month based on given number of month (i.e. 1 -> January, 2 -> February...).

```
<?php
function getMonthName($monthNumber) {
    $months = array(
        1 => "January",
        2 => "February",
        3 => "March",
        4 => "April",
        5 => "May",
    );
}
```

```
        6 => "June",
        7 => "July",
        8 => "August",
        9 => "September",
        10 => "October",
        11 => "November",
        12 => "December"
    );
    if (isset($months[$monthNumber])) {
        return $months[$monthNumber];
    } else {
        return "Invalid month number";
    }
}
$monthNumberToGet = 1; // You can change this number
$result = getMonthName($monthNumberToGet);
echo "Month number $monthNumberToGet corresponds to: $result";
?>
```

#### **4. WAP to find greatest number from 3 number.**

```
<?php
function findGreatestNumber($num1, $num2, $num3) {
    if ($num1 >= $num2 && $num1 >= $num3) {
        return $num1;
    } elseif ($num2 >= $num1 && $num2 >= $num3) {
        return $num2;
    } else {
        return $num3;
    }
}
$number1 = 10;
$number2 = 5;
$number3 = 15;
$greatest = findGreatestNumber($number1, $number2, $number3);
echo "The greatest number among $number1, $number2, and $number3 is: $greatest";
?>
```

#### **5. WAP to check given number is palindrome or not.**

```
<?php
function isPalindrome($number) {
    $numberStr = (string)$number;
    $reversedStr = strrev($numberStr);
```

```
if ($numberStr === $reversedStr) {  
    return "$number is a palindrome.";  
} else {  
    return "$number is not a palindrome.";  
}  
}  
$numberToCheck = 121;  
$result = isPalindrome($numberToCheck);  
echo $result;  
?>
```

## Lab: 2

- 1. WAP to print class of result based on percentage using switch statement (i.e. less than 40% > Fail, 40% to 50% -> Pass Class, 50% to 60% -> Second Class, 60% to 70% -> First Class, above 70% -> Distinction).**

```
<?php
function getResultClass($percentage) {
    switch (true) {
        case ($percentage < 40):
            return "Fail";
        case ($percentage >= 40 && $percentage < 50):
            return "Pass Class";
        case ($percentage >= 50 && $percentage < 60):
            return "Second Class";
        case ($percentage >= 60 && $percentage < 70):
            return "First Class";
        case ($percentage >= 70):
            return "Distinction";
        default:
            return "Invalid percentage";
    }
}

$percentage = 75;
$resultClass = getResultClass($percentage);
echo "With $percentage%, you have achieved: $resultClass";
?>
```

- 2. WAP to print first n numbers using for, while and do while loop.**

### For Loop

```
<?php
$n = 10;
echo "Using for loop:\n";
for ($i = 1; $i <= $n; $i++) {
    echo $i . " "; }
?>
```

### While Loop

```
<?php
$n = 10;
echo "Using while loop:\n";
$i = 1;
while ($i <= $n) {
```

```
    echo $i . " ";  
    $i++;  
}  
?>
```

### **Do While Loop**

```
<?php  
$n = 10;  
echo "Using do-while loop:\n";  
$i = 1;  
do {  
    echo $i . " ";  
    $i++;  
} while ($i <= $n);  
?>
```

### **3. WAP to print first n odd numbers using for, while and do while loop.**

#### **For Loop**

```
<?php  
$n = 10;  
echo "Using for loop:\n";  
for ($i = 1; $i <= 2 * $n; $i += 2) {  
    echo $i . " ";  
}  
?>
```

#### **While Loop**

```
<?php  
$n = 10;  
echo "Using while loop:\n";  
$i = 1; $count = 0;  
while ($count < $n) {  
    if ($i % 2 != 0) {  
        echo $i . " ";  
        $count++;  
    }  
    $i++; }  
?>
```

#### **Do While Loop**

```
<?php  
$n = 10;  
echo "Using do-while loop:\n";
```

```
$i = 1;
$count = 0;
do {
    if ($i % 2 != 0) {
        echo $i . " ";
        $count++;
    }
    $i++;
} while ($count < $n);
?>
```

#### **4. WAP to print Fibonacci series up to n number.**

```
<?php
function fibonacciSeries($n) {
    $fibonacci = array();
    if ($n >= 1) {
        $fibonacci[] = 0;
    }
    if ($n >= 2) {
        $fibonacci[] = 1;
    }
    for ($i = 2; $i < $n; $i++) {
        $next = $fibonacci[$i - 1] + $fibonacci[$i - 2];
        if ($next <= $n) {
            $fibonacci[] = $next;
        } else {
            break; }
    }
    return $fibonacci; }
$n = 10;
$fibonacciSeries = fibonacciSeries($n);
echo "Fibonacci series up to the $n number:\n";
echo implode(" ", $fibonacciSeries);
?>
```

## Lab: 3

### 1. WAP to print table of 10 using for loop.

```
<?php
$number = 10;
echo "Table of $number:\n";
for ($i = 1; $i <= 10; $i++) {
    $result = $number * $i;
    echo "$number x $i = $result\n";
}
?>
```

### 2. WAP to print following patterns:

```
*
* *
* * *
* * * *
* * * * *
```

(a)

```
*
* *
* * *
* * * *
* * * * *
```

(b)

```
1
2 3
4 5 6
7 8 9 10
11 12 13 14
```

(c)

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

(d)

#### (a)

```
<?php
$rows = 5;
for ($i = 1; $i <= $rows; $i++) {
    for ($j = 1; $j <= $i; $j++) {
        echo '* ' ;
    }
    echo "\n";
}
?>
```

#### (b)

```
<?php
$rows = 5;
for ($i = 1; $i <= $rows; $i++) {
    for ($j = 1; $j <= $rows - $i; $j++) {
        echo ' ' ;
    }
    for ($k = 1; $k <= 2 * $i - 1; $k++) {
        echo '*';
    }
    echo "\n";
}
?>
```

#### (c)

```
<?php
```

```
$k=1;
for ($i = 0; $i < 4; $i++) {
    for ($j = 0; $j <= $i; $j++) {
        echo $k." ";
        $k++;
    }
    echo "<br>";
}
?>
```

**(d)**

```
<?php
for($i = 1; $i <= 5; $i++) {
    for($j = 1; $j <= $i; $j++) {
        echo $i;
    }
    echo "<br>";
}
?>
```

### **3. WAP to print the elements of an array using foreach loop.**

```
<?php
$myArray = array("apple", "banana", "cherry", "date", "fig");
foreach ($myArray as $element) {
    echo $element . "\n";
}
?>
```



## Lab: 4

### 1. WAP to create numeric array and print it.

```
<?php
$numericArray = array(1, 2, 3, 4, 5);
foreach ($numericArray as $element) {
    echo $element . " ";
}
?>
```

### 2. WAP to create associative array and print it.

```
<?php
$assocArray = array(
    "name" => "John",
    "age" => 30,
    "city" => "New York"
);
foreach ($assocArray as $key => $value) {
    echo "$key: $value\n";
}
?>
```

### 3. WAP to create multidimensional array and print it.

```
<?php
$multidimensionalArray = array(
    array("John", 30, "New York"),
    array("Alice", 25, "Los Angeles"),
    array("Bob", 35, "Chicago")
);
foreach ($multidimensionalArray as $person) {
    foreach ($person as $detail) {
        echo "$detail ";
    }
    echo "\n";
}
?>
```

### 4. WAP to sort given array in descending order.

```
<?php
$myArray = array(5, 2, 9, 1, 5, 6);
rsort($myArray);
foreach ($myArray as $element) {
    echo $element . " "; } ?>
```

## Lab: 5

### 1. WAP to demonstrate the use of various array function on an array.

```
<?php
$fruits = array("apple", "banana", "cherry", "date", "fig");
echo "Original array: ";
print_r($fruits);
// 1. Count the number of elements in the array
$count = count($fruits);
echo "\n1. Number of elements in the array: $count";
// 2. Check if an element exists in the array
$searchItem = "banana";
if (in_array($searchItem, $fruits)) {
    echo "\n2. $searchItem exists in the array.";
} else {
    echo "\n2. $searchItem does not exist in the array."; }
// 3. Add an element to the end of the array
$fruits[] = "grape";
echo "\n3. After adding 'grape': ";
print_r($fruits);
// 4. Remove the last element from the array
$lastFruit = array_pop($fruits);
echo "\n4. Removed last element: $lastFruit\n";
// 5. Sort the array in ascending order
sort($fruits);
echo "5. Sorted in ascending order: ";
print_r($fruits);
// 6. Reverse the order of elements in the array
$reversedArray = array_reverse($fruits);
echo "6. Reversed order: ";
print_r($reversedArray);
// 7. Find the index of an element in the array
$searchItemIndex = array_search("cherry", $fruits);
echo "7. Index of 'cherry' is: $searchItemIndex\n";
// 8. Slice a portion of the array
$slicedArray = array_slice($fruits, 1, 3);
echo "8. Sliced array from index 1 to 3: ";
print_r($slicedArray);
// 9. Check if all elements meet a condition
$allAreStrings = allAreStrings($fruits);
if ($allAreStrings) {
    echo "9. All elements are strings.\n";
```

```
} else {  
    echo "9. Not all elements are strings.\n"; }  
// Custom function to check if all elements in an array are strings  
function allAreStrings($array) {  
    foreach ($array as $element) {  
        if (!is_string($element)) {  
            return false; } }  
    return true; } ?>
```

**2. WAP to create user define function for print your name (without argument) and call it.**

```
<?php  
function printName() {  
    echo "Your Name";  
}  
printName();  
?>
```

**3. WAP to create user define function for print name (with argument) and call it 5 times with different names as an argument.**

```
<?php  
function printName($name) {  
    echo "Hello, $name!\n";  
}  
printName("Alice");  
printName("Bob");  
printName("Charlie");  
printName("David");  
printName("Eve");  
?>
```

**4. WAP to create user define function for adding two numbers and return answer and use it to find addition of two numbers and print answer.**

```
<?php  
function addNumbers($num1, $num2) {  
    $sum = $num1 + $num2;  
    return $sum;  
}  
$number1 = 5;  
$number2 = 7;  
$result = addNumbers($number1, $number2);  
echo "The sum of $number1 and $number2 is: $result"; ?>
```

## 5. WAP to print all Armstrong number between two given numbers.

```
<?php
```

```
function isArmstrong($number) {  
    $originalNumber = $number;  
    $numDigits = strlen((string)$number);  
    $sum = 0;  
    while ($number > 0) {  
        $digit = $number % 10;  
        $sum += pow($digit, $numDigits);  
        $number = (int)($number / 10);  
    }  
    return $sum === $originalNumber;  
}  
  
function printArmstrongNumbers($start, $end) {  
    for ($i = $start; $i <= $end; $i++) {  
        if (isArmstrong($i)) {  
            echo $i . " ";  
        }  
    }  
}  
  
$start = 1;  
$end = 1000;  
echo "Armstrong numbers between $start and $end are: ";  
printArmstrongNumbers($start, $end);  
?>
```

## Lab: 6

### 1. WAP to calculate sum of first n numbers using recursion.

```
<?php
function sumOfFirstN($n) {
    if ($n <= 0) {
        return 0;
    } else {
        return $n + sumOfFirstN($n - 1);
    }
}
$n = 5;
$sum = sumOfFirstN($n);
echo "The sum of the first $n numbers is: $sum";
?>
```

### 2. WAP to calculate factorial of a number using recursion.

```
<?php
function factorial($n) {
    if ($n == 0) {
        return 1;
    } else {
        return $n * factorial($n - 1);
    }
}
$number = 5;
$result = factorial($number);
echo "The factorial of $number is: $result";
?>
```

### 3. Demonstrate the use of PHP in webpage design for partition of page into different section like header, footer, sidebar, main content, etc.

#### step:-1 Create a directory structure:

- mywebsite/
- index.php
- header.php
- sidebar.php
- maincontent.php
- footer.php

**step:-2 Define the content for each section:**

**header.php**

```
<!DOCTYPE html>
<html>
<head>
  <title>My Website</title>
</head>
<body>
  <header>
    <h1>Welcome to My Website</h1>
  </header>
```

**sidebar.php**

```
<aside>
  <h2>Sidebar</h2>
  <!-- Sidebar content goes here -->
</aside>
```

**maincontent.php**

```
<main>
  <h2>Main Content</h2>
  <!-- Main content goes here -->
</main>
```

**footer.php**

```
<footer>
  <p>&copy; <?php echo date("Y"); ?> My Website</p>
</footer>
</body>
</html>
```

**step:-3 Create the main webpage (index.php)**

```
<?php include('header.php'); ?>
<?php include('sidebar.php'); ?>
<?php include('maincontent.php'); ?>
<?php include('footer.php'); ?>
```

**step:-4 Access the webpage**

When you access the index.php file in your web browser, it will display the webpage with the header, sidebar, main content, and footer sections assembled from their respective PHP files.

#### **4. Design static website for a college use PHP to reuse code of navigation bar and footer in each page.**

##### **step:-1 Directory Structure**

- college\_website/
  - index.php
  - about.php
  - courses.php
  - contact.php
  - includes/
    - header.php
    - navigation.php
    - footer.php

##### **step:-2 Header (includes/header.php)**

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <title>College Website</title>
  <!-- Add CSS links, meta tags, etc. -->
</head>
<body>
```

##### **step:-3 Navigation (includes/navigation.php)**

```
<nav>
  <ul>
    <li><a href="index.php">Home</a></li>
    <li><a href="about.php">About</a></li>
    <li><a href="courses.php">Courses</a></li>
    <li><a href="contact.php">Contact</a></li>
  </ul>
</nav>
```

##### **step:-4 Footer (includes/footer.php)**

```
<footer>
  <p>&copy; <?php echo date("Y"); ?> College Name</p>
</footer>
</body>
</html>
```

##### **step:-5 Individual Pages**

```
<?php include('includes/header.php'); ?>
<?php include('includes/navigation.php'); ?>
```

```
<!-- Page-specific content goes here -->
```

```
<?php include('includes/footer.php'); ?>
```

### **step:- 6 Styling and Content**

Style your website using CSS and add content to each page as needed.

### **step:- 7 Accessing Pages**

Access the individual pages through your web server

(e.g., [http://localhost/college\\_website/index.php](http://localhost/college_website/index.php)) to view the static website with common navigation and footer.



## Lab: 7

### 1. Design a student registration form and retrieve data in controller page using following Method: GET, POST, and REQUEST.

#### step:-1 Create the HTML Form (registration\_form.php)

```
<!DOCTYPE html>
<html>
<head>
  <title>Student Registration Form</title>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
  <div class="container">
    <h1>Student Registration Form</h1>
    <form action="controller.php" method="GET">
      <div class="form-group">
        <label for="name">Name:</label>
        <input type="text" name="name" id="name" required>
      </div>

      <div class="form-group">
        <label for="email">Email:</label>
        <input type="email" name="email" id="email" required>
      </div>

      <div class="form-group">
        <label for="course">Course:</label>
        <input type="text" name="course" id="course" required>
      </div>

      <div class="form-group">
        <input type="submit" value="Submit">
      </div>
    </form>
  </div>
</body>
</html>
```

#### step:-2 Create the CSS File (style.css)

```
body {
  font-family: Arial, sans-serif;
  background-color: #f2f2f2;
```

```
}  
.container {  
    max-width: 400px;  
    margin: 0 auto;  
    padding: 20px;  
    background-color: #fff;  
    border-radius: 5px;  
    box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);  
}  
h1 {  
    text-align: center;  
}  
.form-group {  
    margin-bottom: 15px;  
}  
label {  
    display: block;  
    font-weight: bold;  
}  
input[type="text"],  
input[type="email"] {  
    width: 100%;  
    padding: 10px;  
    border: 1px solid #ccc;  
    border-radius: 4px;  
}  
input[type="submit"] {  
    background-color: #4CAF50;  
    color: white;  
    padding: 10px 15px;  
    border: none;  
    border-radius: 4px;  
    cursor: pointer;  
}  
input[type="submit"]:hover {  
    background-color: #45a049;  
}
```

### **step:-3 Create the Controller Page (controller.php)**

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

```
<title>Registration Data</title>
<link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
<div class="container">
<h1>Registration Data</h1>
<?php
if ($_SERVER['REQUEST_METHOD'] === 'GET' || $_SERVER['REQUEST_METHOD'] === 'POST') {
    $name = $_REQUEST['name'];
    $email = $_REQUEST['email'];
    $course = $_REQUEST['course'];

    echo "<div class='form-group'>";
    echo "<label>Name:</label>";
    echo "<span>$name</span>";
    echo "</div>";

    echo "<div class='form-group'>";
    echo "<label>Email:</label>";
    echo "<span>$email</span>";
    echo "</div>";

    echo "<div class='form-group'>";
    echo "<label>Course:</label>";
    echo "<span>$course</span>";
    echo "</div>";
} else {
    echo "Invalid request method.";
}
?>
</div>
</body>
</html>
```

#### **step:-4 Access the Registration Form**

Start a web server or use an online PHP development environment. Access the registration form by navigating to registration\_form.php in your browser.

#### **step:-5 Submit the Form**

Fill in the registration form and submit it. The form data will be processed and displayed on the controller.php page with CSS styling applied.

## **2. Design a employee registration form and retrieve data in controller page using following Method: GET, POST, and REQUEST.**

### **step:-1 Create the HTML Form (registration\_form.php)**

```
<!DOCTYPE html>
<html>
<head>
  <title>Employee Registration Form</title>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
  <div class="container">
    <h1>Employee Registration Form</h1>
    <form action="controller.php" method="POST">
      <div class="form-group">
        <label for="name">Name:</label>
        <input type="text" name="name" id="name" required>
      </div>

      <div class="form-group">
        <label for="email">Email:</label>
        <input type="email" name="email" id="email" required>
      </div>

      <div class="form-group">
        <label for="department">Department:</label>
        <input type="text" name="department" id="department" required>
      </div>

      <div class="form-group">
        <input type="submit" value="Submit">
      </div>
    </form>
  </div>
</body>
</html>
```

### **step:-2 Create the CSS File (style.css)**

```
body {
  font-family: Arial, sans-serif;
  background-color: #f2f2f2;
}
```

```
.container {
    max-width: 400px;
    margin: 0 auto;
    padding: 20px;
    background-color: #fff;
    border-radius: 5px;
    box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
}
h1 {
    text-align: center;
}
.form-group {
    margin-bottom: 15px;
}
label {
    display: block;
    font-weight: bold;
}
input[type="text"],
input[type="email"] {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 4px;
}
input[type="submit"] {
    background-color: #4CAF50;
    color: white;
    padding: 10px 15px;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}
input[type="submit"]:hover {
    background-color: #45a049;
}
```

### **step:-3 Create the Controller Page (controller.php)**

```
<!DOCTYPE html>
<html>
<head>
    <title>Registration Data</title>
```

```
<link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
  <div class="container">
    <h1>Registration Data</h1>

    <?php
    if ($_SERVER['REQUEST_METHOD'] === 'POST') {
      $name = $_POST['name'];
      $email = $_POST['email'];
      $department = $_POST['department'];

      echo "<div class='form-group'>";
      echo "<label>Name:</label>";
      echo "<span>$name</span>";
      echo "</div>";

      echo "<div class='form-group'>";
      echo "<label>Email:</label>";
      echo "<span>$email</span>";
      echo "</div>";

      echo "<div class='form-group'>";
      echo "<label>Department:</label>";
      echo "<span>$department</span>";
      echo "</div>";
    } else {
      echo "Invalid request method.";
    }
    ?>
  </div>
</body>
</html>
```

#### **step:-4 Access the Registration Form**

Start a web server or use an online PHP development environment. Access the registration form by navigating to registration\_form.php in your browser.

#### **step:-5 Submit the Form**

Fill in the registration form and submit it. The form data will be processed and displayed on the controller.php page with CSS styling applied.

## Lab: 8

### 1. Implement server side validation on student registration form using PHP.

#### step:-1 Home.php

```
<!DOCTYPE html>
<html>
<head>
  <title>Student Registration Form</title>
  <link rel="stylesheet" type="text/css" href="styles.css">
</head>
<body>
  <div class="container">
    <h2>Student Registration</h2>
    <form method="POST" action="validation.php">
      <div class="form-group">
        <label for="class">Class:</label>
        <input type="text" name="class" id="class" required>
      </div>
      <div class="form-group">
        <label for="sem">Semester:</label>
        <input type="text" name="sem" id="sem" required>
      </div>
      <div class="form-group">
        <label for="name">Name:</label>
        <input type="text" name="name" id="name" required>
      </div>
      <div class="form-group">
        <label for="email">Email:</label>
        <input type="email" name="email" id="email" required>
      </div>
      <div class="form-group">
        <label for="phone">Phone Number:</label>
        <input type="tel" name="phone" id="phone" required>
      </div>
      <div class="form-group">
        <label for="password">Password:</label>
        <input type="password" name="password" id="password" required>
      </div>

      <input type="submit" value="Register" name="submit">
    </form>
```

```
<!-- Display error messages here -->
<?php if(isset($_GET['error'])) { ?>
    <p class="error"><?php echo $_GET['error']; ?></p>
<?php } ?>
</div>
</body>
</html>
```

### **step:-2 Style.css**

```
body {
    font-family: Arial, sans-serif;
}
```

```
.container {
    max-width: 400px;
    margin: 0 auto;
    padding: 20px;
    border: 1px solid #ccc;
    border-radius: 5px;
    background-color: #f9f9f9;
}
```

```
h2 {
    text-align: center;
}
```

```
.form-group {
    margin-bottom: 15px;
}
```

```
label {
    display: block;
    margin-bottom: 5px;
}
```

```
input[type="text"],
input[type="email"],
input[type="tel"],
input[type="password"] {
    width: 100%;
    padding: 10px;
```



```
border: 1px solid #ccc;
border-radius: 5px;
font-size: 16px;
}
```

```
button {
    background-color: #007bff;
    color: #fff;
    padding: 10px 20px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    font-size: 16px;
}
```

```
button:hover {
    background-color: #0056b3;
}
```

### **step:-3 success.php**

```
<!DOCTYPE html>
<html>
<head>
    <title>Registration Successful</title>
</head>
<body>
    <h2>Registration Successful</h2>
    <p>Thank you for registering as a student.</p>
</body>
</html>
```

### **step:-4 validation.php**

```
<?php
if (isset($_POST["submit"])) {
    // Retrieve form data
    $class = $_POST["class"];
    $sem = $_POST["sem"];
    $name = $_POST["name"];
    $email = $_POST["email"];
    $phone = $_POST["phone"];
    $password = $_POST["password"];

    // Validate data
```

```
$errors = [];  
  
// Add your validation logic here  
if (empty($name)) {  
    $errors[] = "Name is required.";  
} elseif (!preg_match("/^[a-zA-Z\s]+$/", $name)) {  
    $errors[] = "Name can only contain letters and spaces.";  
}  
if (strlen($password) < 8) {  
    $errors[] = "Password must be at least 8 characters long.";  
}  
  
// If there are validation errors, display them  
if (!empty($errors)) {  
    foreach ($errors as $error) {  
        echo "<p class='error'>$error</p>";  
    }  
} else {  
    // If validation passes, you can insert the data into a database or perform other actions here  
    // For this example, we'll just display a success message  
    header("Location: success.php");  
    exit();  
}  
}  
?>
```

## 2. Implement server side validation on employee registration form using PHP.

### step:-1 registration\_form.php

```
<!DOCTYPE html>  
<html>  
<head>  
    <title>Employee Registration Form</title>  
    <link rel="stylesheet" type="text/css" href="styles.css">  
</head>  
<body>  
    <div class="container">  
        <h2>Employee Registration</h2>  
        <form method="POST" action="process_registration.php">  
            <label for="name">Full Name:</label>  
            <input type="text" id="name" name="name" required>  
            <br>
```

```
<label for="email">Email:</label>
<input type="email" id="email" name="email" required>
<br>

<label for="password">Password:</label>
<input type="password" id="password" name="password" required>
<br>

<label for="confirm_password">Confirm Password:</label>
<input type="password" id="confirm_password" name="confirm_password" required>
<br>

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

<!-- Display error messages here -->
<?php if(isset($_GET['error'])) { ?>
    <p class="error"><?php echo $_GET['error']; ?></p>
<?php } ?>
</div>
</body>
</html>
```

### step:-2 style.css

```
.container {
    width: 400px;
    margin: 0 auto;
    padding: 20px;
    border: 1px solid #ccc;
    background-color: #f9f9f9;
    border-radius: 5px;
}

label {
    display: block;
    margin-bottom: 5px;
}

input[type="text"],
input[type="email"],
input[type="password"] {
    width: 100%;
```

```
padding: 10px;
margin-bottom: 10px;
border: 1px solid #ccc;
border-radius: 3px;
}

input[type="submit"] {
    background-color: #007bff;
    color: white;
    padding: 10px 15px;
    border: none;
    border-radius: 3px;
    cursor: pointer;
}

.error {
    color: red;
    margin-top: 10px;
}
```

### **step:-3 process\_registration.php**

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Validate form data
    $name = $_POST["name"];
    $email = $_POST["email"];
    $password = $_POST["password"];
    $confirm_password = $_POST["confirm_password"];

    // Example validation: Check if passwords match
    if ($password !== $confirm_password) {
        $error = "Passwords do not match.";
        header("Location: registration_form.php?error=" . $error);
        exit();
    }

    // Additional validation logic can be added here
    // For example, you can check if the email is unique or conforms to a specific format

    // If all validation passes, you can proceed with database insertion or other actions
    // For now, we'll just redirect to a success page
    header("Location: registration_success.php");
}
```

```
exit();  
}  
?>
```

**step:-4 registration\_success.php**

```
<!DOCTYPE html>  
<html>  
<head>  
  <title>Registration Successful</title>  
</head>  
<body>  
  <h2>Registration Successful</h2>  
  <p>Thank you for registering as an employee.</p>  
</body> </html>
```

## Lab 9

### 1. Create a webpage which accepts a file and upload it in specified folder on server.

#### step:-1 form.php

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>File Upload</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="container">
    <h2>File Upload</h2>
    <form action="upload.php" method="post" enctype="multipart/form-data">
      <div class="form-group">
        <label for="file">Select a file:</label>
        <input type="file" name="file" id="file" required>
      </div>
      <button type="submit" name="submit">Upload</button>
    </form>
  </div>
</body>
</html>
```

#### step:-2 style.css

```
body {
  font-family: Arial, sans-serif;
}

.container {
  max-width: 400px;
  margin: 0 auto;
  padding: 20px;
  border: 1px solid #ccc;
  border-radius: 5px;
  background-color: #f9f9f9;
}

h2 {
  text-align: center;
}
```

```
.form-group {
    margin-bottom: 15px;
}

label {
    display: block;
    margin-bottom: 5px;
}

input[type="file"] {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
    font-size: 16px;
}

button {
    background-color: #007bff;
    color: #fff;
    padding: 10px 20px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    font-size: 16px;
}

button:hover {
    background-color: #0056b3;
}
```

### **step:-3 upload.php**

```
<?php
if (isset($_POST["submit"])) {

    $uploadDir = "lab-9/1/img"; // Specify the directory where you want to save the uploaded files
    $uploadFile = $uploadDir . $_FILES["file"]["name"];

    // Check if the file already exists
    if (file_exists($uploadFile)) {
        echo "File already exists. Please choose a different file.";
    }
}
```

```

} else {
    // Check file size (you can adjust the maximum file size as needed)
    if ($_FILES["file"]["size"] > 5 * 1024 * 1024) { // 5 MB limit in this example
        echo "File size exceeds the limit. Please choose a smaller file.";
    } else {
        // Upload the file to the specified directory
        if (move_uploaded_file($_FILES["file"]["tmp_name"], $uploadFile)) {
            echo "File is valid and has been uploaded successfully.";
        } else {
            echo "Error uploading the file.";
        }
    }
}
}
?>

```

## 2. Design a profile page which allow to change profile picture dynamically.

### step:-1 profile.php

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Profile Page</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container">
        <h2>My Profile</h2>
        <div class="profile-picture">
            
        </div>
        <form action="upload.php" method="post" enctype="multipart/form-data">

            <div class="form-group">
                <label for="file">Select a file:</label>
                <input type="file" name="new_profile_picture" id="ew-profile-picture" required accept="image/*">
            </div>
            <button type="submit" name="submit">Change Profile Picture</button>
        </form>
    </div>
</body>
</html>

```



**step:-2 style.css**

```
/* Reset default margin and padding */
* {
    margin: 0;
    padding: 0;
}

body {
    font-family: Arial, sans-serif;
    background-color: #f0f0f0;
}

.container {
    max-width: 400px;
    margin: 0 auto;
    padding: 20px;
    background-color: #fff;
    border: 1px solid #ccc;
    border-radius: 5px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    text-align: center;
}

h2 {
    font-size: 24px;
    margin-bottom: 20px;
    color: #333;
}

.profile-picture {
    margin-bottom: 20px;
}

img#profile-image {
    width: 150px;
    height: 150px;
    border-radius: 50%;
    object-fit: cover;
    border: 2px solid #007bff;
}

.form-group {
```

```
margin-bottom: 15px;
}

label {
  display: block;
  margin-bottom: 5px;
  color: #333;
}

input[type="file"] {
  width: 100%;
  padding: 10px;
  border: 1px solid #ccc;
  border-radius: 5px;
  font-size: 16px;
}

button {
  background-color: #007bff;
  color: #fff;
  padding: 10px 20px;
  border: none;
  border-radius: 5px;
  cursor: pointer;
  font-size: 16px;
  transition: background-color 0.3s ease;
}

button:hover {
  background-color: #0056b3;
}
```

### **step:-3 upload.php**

```
<?php
if (isset($_POST["submit"])) {
  $uploadDir = "lab-9/2/img"; // Specify the directory where you want to save the uploaded profile pictures
  $newProfilePicture = $_FILES["new_profile_picture"];

  // Check if a file was uploaded
  if ($newProfilePicture["error"] === UPLOAD_ERR_OK) {
    $uploadFile = $uploadDir . basename($newProfilePicture["name"]);
```

```
// Check if the uploaded file is an image
$imageFileType = strtolower(pathinfo($uploadFile, PATHINFO_EXTENSION));
if (in_array($imageFileType, ["jpg", "jpeg", "png", "gif"])) {
    // Move the uploaded file to the specified directory
    if (move_uploaded_file($newProfilePicture["tmp_name"], $uploadFile)) {
        // Update the profile picture path in your database or storage
        // For this example, we'll just display the new image
        echo "<div class='container'>
            <h2>My Profile</h2>
            <div class='profile-picture'>
                <img src='$uploadFile' alt='Profile Picture' id='profile-image'>
            </div>
            <p>Profile picture updated successfully.</p>
        </div>";
    } else {
        echo "Error uploading the file.";
    }
} else {
    echo "Invalid file format. Please upload a valid image.";
}
} else {
    echo "Error uploading the file.";
}
}
?>
```

## Lab 10

### 1. Create static login application using session in PHP.

#### step:-1 login.php

```
<?php
session_start();

// Static user credentials for demonstration purposes
$validUsername = "student";
$validPassword = "student";

if (isset($_SESSION["username"])) {
    header("Location: welcome.php");
    exit();
}

if (isset($_POST["login"])) {
    $username = $_POST["username"];
    $password = $_POST["password"];

    // Replace with your actual username and password validation logic
    if ($username === $validUsername && $password === $validPassword) {
        $_SESSION["username"] = $username;
        header("Location:welcome.php");
        exit();
    } else {
        $error = "Invalid username or password.";
    }
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Login</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container">
        <h2>Login</h2>
```

```
<form action="" method="post">
  <div class="form-group">
    <label for="username">Username:</label>
    <input type="text" name="username" id="username" required>
  </div>
  <div class="form-group">
    <label for="password">Password:</label>
    <input type="password" name="password" id="password" required>
  </div>
  <?php if (isset($error)) : ?>
    <p class="error"><?php echo $error; ?></p>
  <?php endif; ?>
  <button type="submit" name="login">Login</button>
</form>
</div>
</body>
</html>
```

### step:-2 style.css

```
body {
  font-family: Arial, sans-serif;
  background-color: #f0f0f0;
}

.container {
  max-width: 400px;
  margin: 0 auto;
  padding: 20px;
  background-color: #fff;
  border: 1px solid #ccc;
  border-radius: 5px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
  text-align: center;
}

h2 {
  font-size: 24px;
  margin-bottom: 20px;
  color: #333;
}

.form-group {
```

```
margin-bottom: 15px;
}

label {
  display: block;
  margin-bottom: 5px;
  color: #333;
}

input[type="text"],
input[type="password"] {
  width: 100%;
  padding: 10px;
  border: 1px solid #ccc;
  border-radius: 5px;
  font-size: 16px;
}

button {
  background-color: #007bff;
  color: #fff;
  padding: 10px 20px;
  border: none;
  border-radius: 5px;
  cursor: pointer;
  font-size: 16px;
  transition: background-color 0.3s ease;
}

button:hover {
  background-color: #0056b3;
}

.error {
  color: #ff0000;
  margin-top: 10px;
}

step:-3 welcome.php
<!DOCTYPE html>
<html>
<head>
```

```
<meta charset="UTF-8">
<title>Welcome</title>
<link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="welcome-container">
    <h2>Welcome, <?php echo $_SESSION["username"]; ?></h2>
    <p>This is your private page.</p>
    <a href="logout.php">Logout</a>
  </div>
</body>
</html>
```

#### **step:-4 logout.php**

```
<?php
session_start();
session_destroy();
header("Location: login.php");
exit();
?>
```

## **2. Create static login application using cookie in PHP.**

#### **step:-1 login.php**

```
<?php
if (isset($_COOKIE["username"])) {
  header("Location: welcome.php");
  exit();
}
```

// Static user credentials for demonstration purposes

\$demousername = "student";

\$demouserpass = "student";

```
if (isset($_POST["login"])) {
  $username = $_POST["username"];
  $password = $_POST["password"];
```

// Replace with your actual username and password validation logic

```
if ($username === $demousername && $password === $demouserpass) {
  setcookie("username", $username, time() + 3600); // Set a cookie for 1 hour
  header("Location: welcome.php");
  exit();
}
```

```

    } else {
        $error = "Invalid username or password.";
    }
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Login</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container">
        <h2>Login</h2>
        <form action="" method="post">
            <div class="form-group">
                <label for="username">Username:</label>
                <input type="text" name="username" id="username" required>
            </div>
            <div class="form-group">
                <label for="password">Password:</label>
                <input type="password" name="password" id="password" required>
            </div>
            <?php if (isset($error)) : ?>
                <p class="error"><?php echo $error; ?></p>
            <?php endif; ?>
            <button type="submit" name="login">Login</button>
        </form>
    </div>
</body>
</html>

```

### step:-2 style.css

```

body {
    font-family: Arial, sans-serif;
    background-color: #f0f0f0;
}

.container {
    max-width: 400px;

```



```
margin: 0 auto;
padding: 20px;
background-color: #fff;
border: 1px solid #ccc;
border-radius: 5px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
text-align: center;
}
```

```
h2 {
  font-size: 24px;
  margin-bottom: 20px;
  color: #333;
}
```

```
.form-group {
  margin-bottom: 15px;
}
```

```
label {
  display: block;
  margin-bottom: 5px;
  color: #333;
}
```

```
input[type="text"],
input[type="password"] {
  width: 100%;
  padding: 10px;
  border: 1px solid #ccc;
  border-radius: 5px;
  font-size: 16px;
}
```

```
button {
  background-color: #007bff;
  color: #fff;
  padding: 10px 20px;
  border: none;
  border-radius: 5px;
  cursor: pointer;
  font-size: 16px;
}
```

```
transition: background-color 0.3s ease;
}
```

```
button:hover {
    background-color: #0056b3;
}
```

```
.error {
    color: #ff0000;
    margin-top: 10px;
}
```

### **step:-3 welcome.php**

```
<?php
if (!isset($_COOKIE["username"])) {
    header("Location: login.php");
    exit();
}
```

```
$username = $_COOKIE["username"];
?>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Welcome</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <div class="container">
        <h2>Welcome, <?php echo $username; ?>!</h2>
        <p>This is the protected content. You are logged in.</p>
        <a href="logout.php">Logout</a>
    </div>
</body>
</html>
```

### **step:-4 logout.php**

```
<?php
setcookie("username", "", time() - 3600); // Expire the cookie by setting its expiration time in the past
header("Location: login.php");
exit(); ?>
```

## Lab: 11

### 1. Implement Insert and Delete database operation on students table from webpage using PHP.

**classes/DbConfig.php**

<?php

```
class DbConfig
{
    private $host="localhost";
    private $username="root";
    private $password="";
    private $dbName="student_info";
    public $con="";

    function __construct()
    {
        try{
            $this->con = mysqli_connect(
                $this->host,
                $this->username,
                $this->password,
                $this->dbName,
            ) or die("Some Error Occured,Message:".mysqli_connect_error());
        }
        catch(Exception $e){
            echo "Exception occurs,Message:".$e->message;
        }
    }
}
```

?>

**classes/student.php**

<?php

```
include_once "DbConfig.php";

class student extends DbConfig
{
    function getAllStudents()
    {
        $sql="SELECT * FROM student;";
```

```

        $res=mysqli_query($this->con,$sql);
        $resArray=array();
        while($row=mysqli_fetch_assoc($res)){
            $resArray[]=$row;
        }
        return $resArray;
    }

    function insertStudent($input){
        extract($input);
        $sql="INSERT INTO `student`(`Id`, `Name`, `Enrollment No.`, `Semester`, `Course`)
        VALUES (NULL, '$name', '$enrollment', semester, '$course')";
        $res=mysqli_query($this->con,$sql);
        $resMsg="Inserted Successfully";
        return $resMsg;
    }

    function deleteStudentById($id){
        $sql="DELETE FROM student WHERE id=$id;";
        $res=mysqli_query($this->con,$sql);
        $resMsg="Deleted Successfully";
        return $resMsg;
    }
}

?>

```

### **studentRegistration.php**

```

<!DOCTYPE html>
<html>
<head>
    <title>Student Registration Form</title>
</head>
<body>
    <form action="con_studentRegistration.php"
        method="POST">
        <table>
            <tr>
                <td>Name</td>
                <td>:</td>
                <td><input type="text" name="name"></td>
            </tr>
            <tr>

```

```

        <td>Enrollment No.</td>
        <td>:</td>
        <td><input type="text" name="enrollment"></td>
    </tr>
    <tr>
        <td>Semester</td>
        <td>:</td>
        <td>
            <select name="semester">
                <?php
                    for($i=1;$i<9;$i++){
                        echo "<option>".$i."</option>";
                    }
                ?>
            </select>
        </td>
    </tr>
    <tr>
        <td>Course</td>
        <td>:</td>
        <td><input type="text" name="course"></td>
    </tr>
    <tr>
        <td colspan="3">
            <input type="submit" name="Save">
        </td>
    </tr>
</table>
</form>
</body>
</html>

```

### **con\_studentRegistration.php**

```

<?php
    include_once "../classes/student.php";
    $s=new student();
    $s->insertStudent($_POST);
    header("Location:listStudents.php");
    die();
?>

```

### **con\_deleteStudent.php**

```

<?php

```

```
include_once "../classes/student.php";
$s=new student();
$deleteMsg=$s->deleteStudentById($_GET['id']);
header("Location:listStudents.php");
die();
```

?>

### **listStudents.php**

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>List of Students</title>
```

```
</head>
```

```
<body>
```

```
    <table border="1">
```

```
        <tr>
```

```
            <th>Name</th>
```

```
            <th>Enrollment No.</th>
```

```
            <th>Delete</th>
```

```
        </tr>
```

```
        <?php
```

```
            include_once "../classes/student.php";
```

```
            $s=new student();
```

```
            $stuArray=$s->getAllStudents();
```

```
            foreach ($stuArray as $key => $value) {
```

```
        ?>
```

```
        <tr>
```

```
            <td>
```

```
            <?php echo $value['Name']; ?>
```

```
            </td>
```

```
            <td>
```

```
            <?php echo $value['Enrollment No.']; ?>
```

```
            </td>
```

```
            <td>
```

```
                <a onclick="return confirm('Are you sure you want to delete?');"
```

```
                href="con_deleteStudent.php?id= <?php echo $value['Id']; ?>">Delete</a>
```

```
            </td>
```

```
        </tr>
```

```
        <?php
```

```
            }
```

```
        ?>
```

```
    </table>
```

</body>

</html>

## 2. Implement Insert and Delete database operation on employees table from webpage using PHP.

### classes/DbConfig.php

<?php

```
class DbConfig
{
    private $host="localhost";
    private $username="root";
    private $password="";
    private $dbName="employee_info";
    public $con="";

    function __construct()
    {
        try{
            $this->con = mysqli_connect(
                $this->host,
                $this->username,
                $this->password,
                $this->dbName,
            ) or die("Some Error Occured,Message:".mysqli_connect_error());
        }
        catch(Exception $e){
            echo "Exception occurs,Message:". $e->message;
        }
    }
}
```

?>

### classes/employee.php

<?php

```
include_once "DbConfig.php";

class employee extends DbConfig
{
    function getAllEmployees()
    {
        $sql="SELECT * FROM employee;";
        $res=mysqli_query($this->con,$sql);
```

```
$resArray=array();
while($row=mysqli_fetch_assoc($res)){
    $resArray[]=$row;
}
return $resArray;
}

function insertEmployee($input){
    extract($input);
    $sql="INSERT INTO `employee`(`Id`, `Name`, `Department`, `City`, `Phone No.`)
    VALUES (NULL,'$name','$department','$city','$phone')";
    $res=mysqli_query($this->con,$sql);
    $resMsg="Inserted Successfully";
    return $resMsg;
}

function deleteEmployeeById($id){
    $sql="DELETE FROM employee WHERE Id=$id;";
    $res=mysqli_query($this->con,$sql);
    $resMsg="Deleted Successfully";
    return $resMsg;
}
}

?>
```

### **employeeRegistration.php**

```
<!DOCTYPE html>
<html>
<head>
    <title>Employee Registration Form</title>
</head>
<body>
    <form action="con_employeeRegistration.php"
        method="POST">
        <table>
            <tr>
                <td>Name</td>
                <td>:</td>
                <td><input type="text" name="name"></td>
            </tr>
            <tr>
                <td>Department</td>
```



```

        <td>:</td>
        <td><input type="text" name="department"></td>
    </tr>
    <tr>
        <td>City</td>
        <td>:</td>
        <<td><input type="text" name="city"></td>
    </tr>
    <tr>
        <td>Phone No.</td>
        <td>:</td>
        <<td><input type="text" name="phone"></td>
    </tr>
    <tr>
        <td colspan="3">
            <input type="submit" name="Save">
        </td>
    </tr>
</table>
</form>
</body>
</html>

```

### **con\_employeeRegistration.php**

```

<?php
    include_once "../classes/employee.php";
    $s=new employee();
    $s->insertEmployee($_POST);
    header("Location:listEmployees.php");
    die();
?>

```

### **con\_deleteEmployee.php**

```

<?php
    include_once "../classes/employee.php";
    $s=new employee();
    $deleteMsg=$s->deleteEmployeeById($_GET['id']);
    header("Location:listEmployees.php");
    die();
?>

```

### **listEmployees.php**

```

<!DOCTYPE html>

```

```
<html>
<head>
    <title>List of Employees</title>
</head>
<body>
    <table border="1">
        <tr>
            <th>Name</th>
            <th>Department</th>
            <th>Delete</th>
        </tr>
        <?php
            include_once "../classes/employee.php";
            $s=new employee();
            $stuArray=$s->getAllEmployees();
            foreach ($stuArray as $key => $value) {
        ?>
        <tr>
            <td>
                <?php echo $value['Name']; ?>
            </td>
            <td>
                <?php echo $value['Department']; ?>
            </td>
            <td>
                <a onclick="return confirm('Are you sure you want to delete?');"
                    href="con_deleteStudent.php?id=
                    <?php echo $value['Id']; ?>">Delete</a>
            </td>
        </tr>
        <?php
            }
        ?>
    </table>
</body>
</html>
```

## Lab: 12

### 1. Implement Select and update database operation on students table and display it on webpage using PHP.

#### classes/DbConfig.php

```
<?php
class DbConfig
{
    private $host="localhost";
    private $username="root";
    private $password="";
    private $dbName="student_info";
    public $con="";

    function __construct()
    {
        try{
            $this->con = mysqli_connect(
                $this->host,
                $this->username,
                $this->password,
                $this->dbName,
            ) or die("Some Error Occured,Message:".mysqli_connect_error());
        }
        catch(Exception $e){
            echo "Exception occurs,Message:". $e->message;
        }
    }
}
?>
```

#### classes/student.php

```
<?php
include_once "DbConfig.php";

class student extends DbConfig
{
    function getStudentById($id){
        $sql="SELECT * FROM student WHERE id=$id";
        $res=mysqli_query($this->con,$sql);
        $resRow=mysqli_fetch_assoc($res);
```

```

        return $resRow;
    }

    function updateStudent($input){
        extract($input);
        $sql="UPDATE student SET Name='name', EnrollmentNo.='enrollment',
        Semester='semester', Course='course' WHERE Id='id';";
        $res=mysqli_query($this->con,$sql);
        $resMsg="Update Successfully";
        return $resMsg;
    }
    function getAllStudents()
    {
        $sql="SELECT * FROM student;";
        $res=mysqli_query($this->con,$sql);
        $resArray=array();
        while($row=mysqli_fetch_assoc($res)){
            $resArray[]=$row;
        }
        return $resArray;
    }
}

?>

```

### **studentRegistration.php**

```

<!DOCTYPE html>
<html>
<head>
    <title>Student Registration Form</title>
</head>
<body>
    <form action="con_studentRegistration.php"
        method="POST">
        <table>
            <tr>
                <td>Name</td>
                <td>:</td>
                <td><input type="text" name="name"></td>
            </tr>
            <tr>
                <td>Enrollment No.</td>
                <td>:</td>

```

```

        <td><input type="text" name="enrollment"></td>
    </tr>
    <tr>
        <td>Semester</td>
        <td>:</td>
        <td>
            <select name="semester">
                <?php
                    for($i=1;$i<9;$i++){
                        echo "<option>".$i."</option>";
                    }
                ?>
            </select>
        </td>
    </tr>
    <tr>
        <td>Course</td>
        <td>:</td>
        <td><input type="text" name="course"></td>
    </tr>
    <tr>
        <td colspan="3">
            <input type="submit" name="Save">
        </td>
    </tr>
</table>
</form>
</body>
</html>

```

### **con\_studentRegistration.php**

```

<?php
    include_once "./classes/student.php";
    $s=new student();
    $s->insertStudent($_POST);
    header("Location:listStudents.php");
    die();
?>

```

### **con\_editStudent.php**

```

<?php
    include_once "./classes/student.php";
    $s=new student();

```

```
$updateMsg=$s->updateStudent($_POST);
header("Location:listStudents.php");
die();
```

```
?>
```

### **listStudent.php**

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>List of Students</title>
```

```
</head>
```

```
<body>
```

```
<table border="1">
```

```
<tr>
```

```
<th>Name</th>
```

```
<th>Enrollment No.</th>
```

```
<th>Details</th>
```

```
<th>Edit</th>
```

```
<th>Delete</th>
```

```
</tr>
```

```
<?php
```

```
include_once "../classes/student.php";
```

```
$s=new student();
```

```
$stuArray=$s->getAllStudents();
```

```
foreach ($stuArray as $key => $value) {
```

```
?>
```

```
<tr>
```

```
<td>
```

```
<?php echo $value['Name']; ?>
```

```
</td>
```

```
<td>
```

```
<?php echo $value['Enrollment No.']; ?>
```

```
</td>
```

```
<td>
```

```
<a href="detailStudent.php?id= <?php echo $value['Id']; ?>">Know  
more...</a>
```

```
</td>
```

```
<td>
```

```
<a href="con_editStudent.php?id= <?php echo $value['Id']; ?>">Edit</a>
```

```
</td>
```

```
<td>
```

```

        <a onclick="return confirm('Are you sure you want to delete?');"
        href="con_deleteStudent.php?id=      <?php echo $value['Id'];
        ?>">Delete</a>

    </td>
</tr>
<?php
    }
?>
</table>
</body>
</html>

editStudent.php
<!DOCTYPE html>
<html>
<head>
    <title>Update Student Details</title>
</head>
<body>
    <?php
        include_once "../classes/student.php";
        $s=new student();
        $stuDetail=$s-> getStudentById($_GET['id']);
    ?>

    <form action="con_editStudent.php" method="Post">
        <input type="hidden" name="id" value="<?php echo $stuDetail['Id'];?>">
        <table>
            <tr>
                <td>Name</td>
                <td>:</td>
                <td>
                    <input type="text" name="name" value="<?php echo
                    $stuDetail['Name'];?>">
                </td>
            </tr>
            <tr>
                <td>Enrollment No.</td>
                <td>:</td>
                <td>
                    <input type="text" name="enrollment" value="<?php echo
                    $stuDetail['Enrollment No.'];?>">

```

```

        </td>
    </tr>
    <tr>
        <td>Semester</td>
        <td>:</td>
        <td><select name="semester">
            <?php
                for($i=1;$i<9;$i++){
                    if($stuDetail['semester']==$i){
                        echo "<option selected>".$.i."</option>";
                    }
                    else{
                        echo "<option>".$.i."</option>";
                    }
                }
            ?>
        </select>
    </td>
</tr>
<tr>
    <td>Course</td>
    <td>:</td>
    <td>
        <input type="text" name="course" value="<?php echo
        $stuDetail['Course']?>">
    </td>
</tr>
<tr>
    <td colspan="3">
        <a href="listStudents.php">Cancel</a>
        <input type="submit" name="Save">
    </td>
</tr>
</table>

</form>
</body>
</html>

detailStudent.php
<!DOCTYPE html>
<html>

```



```
<head>
    <title>Student Detail</title>
</head>
<body>
    <?php
        include_once "./classes/student.php";
        $s=new student();
        $stuDetail=$s->getStudentById($_GET['id']);
    ?>
    <a href="listStudents.php">Back</a>

    <table border="1">
        <tr>
            <th>Id</th>
            <td><?php echo $stuDetail['id'];?></td>
        </tr>
        <tr>
            <th>Name</th>
            <td><?php echo $stuDetail['Name'];?></td>
        </tr>
        <tr>
            <th>Enrollment No.</th>
            <td><?php echo $stuDetail['Enrollment No.'];?></td>
        </tr>
        <tr>
            <th>Semester</th>
            <td><?php echo $stuDetail['Semester'];?></td>
        </tr>
        <tr>
            <th>Course</th>
            <td><?php echo $stuDetail['Course'];?></td>
        </tr>
    </table>
</body>
</html>
```

## 2. Implement Select and update database operation on employees table and display it on webpage using PHP.

**classes/DbConfig.php**

```
<?php
    class DbConfig
```

```
{
    private $host="localhost";
    private $username="root";
    private $password="";
    private $dbName="employee_info";
    public $con="";

    function __construct()
    {
        try{
            $this->con = mysqli_connect(
                $this->host,
                $this->username,
                $this->password,
                $this->dbName,
            ) or die("Some Error Occured,Message:".mysqli_connect_error());
        }
        catch(Exception $e){
            echo "Exception occurs,Message:". $e->message;
        }
    }
}

?>
```

### **classes/employee.php**

```
<?php
    include_once "DbConfig.php";

    class employee extends DbConfig
    {

        function getEmployeeById($id){
            $sql="SELECT * FROM employee WHERE id=$id;";
            $res=mysqli_query($this->con,$sql);
            $resRow=mysqli_fetch_assoc($res);
            return $resRow;
        }

        function updateEmployee($input){
            extract($input);
            $sql="UPDATE employee SET Name='name', Department ='department', City='city',
            Phone No.='phone' WHERE Id='id';";
```

```
$res=mysqli_query($this->con,$sql);
$resMsg="Update Successfully";
return $resMsg;
}
function getAllEmployees()
{
    $sql="SELECT * FROM employee;";
    $res=mysqli_query($this->con,$sql);
    $resArray=array();
    while($row=mysqli_fetch_assoc($res)){
        $resArray[]=$row;
    }
    return $resArray;
}
}
```

### **employeeRegistration.php**

```
<!DOCTYPE html>
<html>
<head>
    <title>Employee Registration Form</title>
</head>
<body>
    <form action="con_employeeRegistration.php"
        method="POST">
        <table>
            <tr>
                <td>Name</td>
                <td>:</td>
                <td><input type="text" name="name"></td>
            </tr>
            <tr>
                <td>Department</td>
                <td>:</td>
                <td><input type="text" name="department"></td>
            </tr>
            <tr>
                <td>City</td>
                <td>:</td>
                <td><input type="text" name="city"></td>
            </tr>
        </table>
    </form>
</body>
</html>
```

```

        <tr>
            <td>Phone No.</td>
            <td>:</td>
            <td><input type="text" name="phone"></td>
        </tr>
        <tr>
            <td colspan="3">
                <input type="submit" name="Save">
            </td>
        </tr>
    </table>
</form>
</body>
</html>

```

### **con\_employeeRegistration.php**

```

<?php
    include_once "../classes/employee.php";
    $s=new employee();
    $s->insertEmployee($_POST);
    header("Location:listEmployees.php");
    die();
?>

```

### **con\_editEmployee.php**

```

<?php
    include_once "../classes/employee.php";
    $s=new employee();
    $s->updateEmployee($_POST);
    header("Location:listEmployees.php");
    die();
?>

```

### **listEmployees.php**

```

<!DOCTYPE html>
<html>
<head>
    <title>List of Employees</title>
</head>
<body>
    <table border="1">
        <tr>
            <th>Name</th>

```

```

                <th>Department</th>
                <th>Details</th>
                <th>Edit</th>
                <th>Delete</th>
            </tr>
            <?php
                include_once "../classes/employee.php";
                $s=new Employee();
                $stuArray=$s->getAllEmployees();
                foreach ($stuArray as $key => $value) {
            ?>
            <tr>
                <td>
                    <?php echo $value['Name']; ?>
                </td>
                <td>
                    <?php echo $value['Department']; ?>
                </td>
                <td>
                    <a href="detailEmployee.php?id= <?php echo $value['Id']; ?>">Know
                    more...</a>
                </td>
                <td>
                    <a href="con_editEmployee.php?id= <?php echo $value['Id']; ?>">Edit</a>
                </td>
                <td>
                    <a onclick="return confirm('Are you sure you want to delete?');"
                    href="con_deleteEmployee.php?id= <?php echo $value['Id']; ?>">Delete</a>
                </td>
            </tr>
            <?php
                }
            ?>
        </table>
    </body>
</html>

```

### **editEmployee.php**

```

<!DOCTYPE html>
<html>
<head>
    <title>Update Employee Details</title>

```

```

</head>
<body>
    <?php
        include_once "../classes/employee.php";
        $s=new employee();
        $stuDetail=$s->getEmployeeById($_GET['id']);
    ?>

    <form action="con_editEmployee.php" method="Post">
        <input type="hidden" name="id" value="<?php echo $stuDetail['Id'];?>">
        <table>
            <tr>
                <td>Name</td>
                <td>:</td>
                <td>
                    <input type="text" name="name" value="<?php echo
                    $stuDetail['Name'];?>">
                </td>
            </tr>
            <tr>
                <td>Department</td>
                <td>:</td>
                <td>
                    <input type="text" name="department" value="<?php echo
                    $stuDetail['Department'];?>">
                </td>
            </tr>
            <tr>
                <td>City</td>
                <td>:</td>
                <td>
                    <input type="text" name="city" value="<?php echo
                    $stuDetail[City];?>">
                </td>
            </tr>
            <tr>
                <td>Phone No.</td>
                <td>:</td>
                <td>
                    <input type="text" name="phone" value="<?php echo
                    $stuDetail[Phone No.];?>">
                </td>
            </tr>
        </table>
    </form>

```

```

        </tr>
        <tr>
            <td colspan="3">
                <a href="listEmployees.php">Cancel</a>
                <input type="submit" name="Save">
            </td>
        </tr>
    </table>

```

```

    </form>
</body> </html>

```

### **detailEmployee.php**

```

<!DOCTYPE html>
<html>
<head>
    <title>Employee Detail</title>
</head>
<body>
    <?php
        include_once "../classes/employee.php";
        $s=new employee();
        $stuDetail=$s->getEmployeeById($_GET['id']);
    ?>
    <a href="listEmployees.php">Back</a>

    <table border="1">
        <tr>
            <th>Id</th>
            <td><?php echo $stuDetail['id'];?></td>
        </tr>
        <tr>
            <th>Name</th>
            <td><?php echo $stuDetail['Name'];?></td>
        </tr>
        <tr>
            <th>Department</th>
            <td><?php echo $stuDetail['Department'];?></td>
        </tr>
        <tr>
            <th>City</th>
            <td><?php echo $stuDetail['City'];?></td>

```

```
</tr>
<tr>
    <th>Phone No.</th>
    <td><?php echo $stuDetail['Phone No.'];?></td>
</tr>
</table>
</body>
</html>
```



## Lab: 13

### 1. Implement complete login application using PHP, also use cookie to provide remember me functionality.

#### index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Login</title>
</head>
<body>
  <h2>Login</h2>
  <form action="login.php" method="post">
    <input type="text" name="username" placeholder="Username" required>
    <input type="password" name="password" placeholder="Password" required>
    <label for="remember_me">Remember Me</label>
    <input type="checkbox" name="remember_me" id="remember_me">
    <input type="submit" value="Login">
  </form>
</div>
</body>
</html>
```

#### login.php

```
<?php
session_start();

if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $username = $_POST["username"];
  $password = $_POST["password"];
  $remember_me = isset($_POST["remember_me"]) ? true : false;
  $conn = new mysqli("localhost", "username", "password", "loginapp");

  if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
  }

  $stmt = $conn->prepare("SELECT * FROM users WHERE username = ?");
  $stmt->bind_param("s", $username);
  $stmt->execute();
  $result = $stmt->get_result();
```

```
if ($result->num_rows === 1) {
    $row = $result->fetch_assoc();

    if (password_verify($password, $row["password"])) {
        $_SESSION["username"] = $username;

        if ($remember_me) {
            $remember_token = bin2hex(random_bytes(32));
            setcookie("remember_me", $remember_token, time() + (30 * 24 * 60 * 60));
            $stmt = $conn->prepare("UPDATE users SET remember_token = ? WHERE username = ?");
            $stmt->bind_param("ss", $remember_token, $username);
            $stmt->execute();
        }
        header("Location: welcome.php"); page
    }

else {
    echo "Invalid password.";
}

else {
    echo "User not found.";
}

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

### **welcome.php**

```
<html>
    <title>Welcome</title>
</head>
<body>
    <h2>Welcome, <?php echo $_SESSION["username"]; ?></h2>
    <a href="logout.php">Logout</a>
</div>
</body>
</html>
```

### **logout.php**

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

```
session_destroy();  
setcookie("remember_me", "", time() - 3600);  
header("Location: index.html");  
?>
```

## Lab: 14

### 1. Implement CRUD operations on students table using prepared statement in PHP.

#### DbConfig.php

```
<?php
class DbConfig
{
    private $host="localhost";
    private $username="root";
    private $password="";
    private $dbName="student_info";
    public $con="";

    function __construct()
    {
        try{
            $this->con = mysqli_connect(
                $this->host,
                $this->username,
                $this->password,
                $this->dbName,
            ) or die("Some Error Occured,Message:".mysqli_connect_error());
        }

        catch(Exception $e){
            echo "Exception occurs,Message:".$e->message;
        }
    }
}
?>
```

#### student.php

```
<?php
include_once "DbConfig.php";

class student extends DbConfig
{
    function getStudentById($id){
        $sql="SELECT * FROM student WHERE id=?;";
        $stGetByIdStu=mysqli_prepare($this->con,$sql);
        mysqli_stmt_bind_param($stGetByIdStu,'i',$id);
```

```
        mysqli_stmt_execute($stGetByIdStu);
        $res=mysqli_stmt_get_result($stGetByIdStu);
        $resRow=mysqli_fetch_assoc($res);
        return $resRow;
    }

function updateStudent($input){
    extract($input);
    $sql="UPDATE student SET Name=?,Enrollment_No=?,Semester=?,Course=? WHERE
    Id=?;";
    $stUpStu=mysqli_prepare($this->con,$sql);
    mysqli_stmt_bind_param($stUpStu,'ssisi',$name,$enrollment,$semester,$course,
    $id);
    mysqli_stmt_execute($stUpStu);
    $resMsg="Update Successfully";
    return $resMsg;
}

function getAllStudents()
{
    $sql="SELECT * FROM student;";
    $stGetAllStu=mysqli_prepare($this->con,$sql);
    mysqli_stmt_execute($stGetAllStu);
    $res=mysqli_stmt_get_result($stGetAllStu);
    $resArray=array();
    while($row=mysqli_fetch_assoc($res)){
        $resArray[]=$row;
    }
    return $resArray;
}

function insertStudent($input){
    extract($input);
    $sql="INSERT INTO `student`(`Id`,`Name`,`Enrollment_No`,`Semester`,`Course`)
    VALUES (NULL,?,?,?,?,?);";
    $stInsStu=mysqli_prepare($this->con,$sql);
    mysqli_stmt_bind_param($stInsStu,'ssisi',$name,$enrollment,$semester,$course);
    mysqli_stmt_execute($stInsStu);
    $resMsg="Inserted Successfully";
    return $resMsg;
}
```

```
function deleteStudentById($id){  
    $sql="DELETE FROM student WHERE Id=?";  
    $stDelStu=mysqli_prepare($this->con,$sql);  
    mysqli_stmt_bind_param($stDelStu,'i',$id);  
    mysqli_stmt_execute($stDelStu);  
    $resMsg="Deleted Successfully";  
    return $resMsg;  
}
```

```
}
```

```
?>
```

### **con\_deleteStudent.php**

```
<?php
```

```
    include_once "./classes/student.php";  
    $s=new student();  
    $deleteMsg=$s->deleteStudentById($_GET['id']);  
    header("Location:listStudents.php");  
    die();
```

```
?>
```

### **con\_editStudent.php**

```
<?php
```

```
    include_once "./classes/student.php";  
    $s=new student();  
    $supdateMsg=$s->updateStudent($_POST);  
    header("Location:listStudents.php");  
    die();
```

```
?>
```

### **con\_studentRegistration.php**

```
<?php
```

```
    include_once "./classes/student.php";  
    $s=new student();  
    $s->insertStudent($_POST);  
    header("Location:listStudents.php");  
    die();
```

```
?>
```

### **detailStudent.php**

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Student Detail</title>
</head>
<body>
    <?php
        include_once "../classes/student.php";
        $s=new student();
        $stuDetail=$s->getStudentById($_GET['id']);
    ?>
    <a href="listStudents.php">Back</a>

    <table border="1">
        <tr>
            <th>Id</th>
            <td><?php echo $stuDetail['Id'];?></td>
        </tr>
        <tr>
            <th>Name</th>
            <td><?php echo $stuDetail['Name'];?></td>
        </tr>
        <tr>
            <th>Enrollment No.</th>
            <td><?php echo $stuDetail['Enrollment_No'];?></td>
        </tr>
        <tr>
            <th>Semester</th>
            <td><?php echo $stuDetail['Semester'];?></td>
        </tr>
        <tr>
            <th>Course</th>
            <td><?php echo $stuDetail['Course'];?></td>
        </tr>
    </table>
</body>
</html>
```

### **editStudent.php**

```
<!DOCTYPE html>
<html>
<head>
    <title>Update Student Details</title>
</head>
<body>
```

```
<?php
    include_once "../classes/student.php";
    $s=new student();
    $stuDetail=$s-> getStudentById($_GET['id']);
?>

<form action="con_editStudent.php" method="Post">
    <input type="hidden" name="id" value="<?php echo $stuDetail['Id'];?>">
    <table>
        <tr>
            <td>Name</td>
            <td>:</td>
            <td>
                <input type="text" name="name" value="<?php echo
                $stuDetail['Name'];?>">
            </td>
        </tr>
        <tr>
            <td>Enrollment No.</td>
            <td>:</td>
            <td>
                <input type="text" name="enrollment" value="<?php echo
                $stuDetail['Enrollment_No'];?>">
            </td>
        </tr>
        <tr>
            <td>Semester</td>
            <td>:</td>
            <td>
                <select name="semester">
                    <?php
                    for($i=1;$i<9;$i++){
                        if($stuDetail['Semester']==$i){
                            echo "<option selected>".$i."</option>";
                        }
                        else{
                            echo "<option>".$i."</option>";
                        }
                    }
                    ?>
                </select>
            </td>
        </tr>
    </table>
</form>
```



```

        </tr>
        <tr>
            <td>Course</td>
            <td>:</td>
            <td>
                <input type="text" name="course" value="<?php echo
                $stuDetail['Course']?>">
            </td>
        </tr>
        <tr>
            <td colspan="3">
                <a href="listStudents.php">Cancle</a>
                <input type="submit" name="Save">
            </td>
        </tr>
    </table>

```

```

    </form>
</body>
</html>

```

### **listStudents.php**

```

<!DOCTYPE html>
<html>
<head>
    <title>List of Students</title>
</head>
<body>
    <table border="1">
        <tr>
            <th>Name</th>
            <th>Enrollment No.</th>
            <th>Details</th>
            <th>Edit</th>
            <th>Delete</th>
        </tr>
        <?php
            include_once "../classes/student.php";
            $s=new student();
            $stuArray=$s->getAllStudents();
            foreach ($stuArray as $key => $value) {

```

```

        <tr>
            <td>
                <?php echo $value['Name']; ?>
            </td>
            <td>
                <?php echo $value['Enrollment_No']; ?>
            </td>
            <td>
                <a
                    href="detailStudent.php?id=
                <?php echo $value['Id']; ?>">Know more...</a>
            </td>
            <td>
                <a
                    href="editStudent.php?id=
                <?php echo $value['Id']; ?>">Edit</a>
            </td>
            <td>
                <a onclick="return confirm('Are you sure you want to delete?');"
                    href="con_deleteStudent.php?id=
                <?php echo $value['Id']; ?>">Delete</a>
            </td>
        </tr>
    <?php
    }
    ?>
</table>
</body>
</html>

```

### **studentRegistration.php**

```

<!DOCTYPE html>
<html>
<head>
    <title>Student Registration Form</title>
</head>
<body>
    <form action="con_studentRegistration.php"
        method="POST">
        <table>
            <tr>
                <td>Name</td>

```

```

        <td>:</td>
        <td><input type="text" name="name"></td>
    </tr>
    <tr>
        <td>Enrollment No.</td>
        <td>:</td>
        <td><input type="text" name="enrollment"></td>
    </tr>
    <tr>
        <td>Semester</td>
        <td>:</td>
        <td>
            <select name="semester">
                <?php
                    for($i=1;$i<=8;$i++){
                        echo "<option>".$i."</option>";
                    }
                ?>
            </select>
        </td>
    </tr>
    <tr>
        <td>Course</td>
        <td>:</td>
        <td><input type="text" name="course">
        </td>
    </tr>
    <tr>
        <td colspan="3">
            <input type="submit" name="Save">
        </td>
    </tr>
</table>
</form>
</body>
</html>

```

## Lab: 15

### 1. Implement CRUD operations on students table using stored procedure in PHP.

#### SP\_DeleteStudent

```
DELIMITER $$  
CREATE DEFINER=`root`@`localhost` PROCEDURE `SP_DeleteStudent`(IN `id` INT(50))  
BEGIN  
    DELETE FROM student WHERE id=id;  
END$$  
DELIMITER;
```

#### SP\_GetAllStudent

```
DELIMITER $$  
CREATE DEFINER=`root`@`localhost` PROCEDURE `SP_GetAllStudent`()  
BEGIN  
    SELECT * FROM student;  
END$$  
DELIMITER;
```

#### SP\_GetStudentById

```
DELIMITER $$  
CREATE DEFINER=`root`@`localhost` PROCEDURE `SP_GetStudentById`(IN `id` INT(50))  
BEGIN  
    SELECT* FROM student WHERE student.id=id;  
END$$  
DELIMITER;
```

#### SP\_InsertStudent

```
DELIMITER $$  
CREATE DEFINER=`root`@`localhost` PROCEDURE `SP_InsertStudent`(IN `name` VARCHAR(50), IN `enrollment`  
VARCHAR(20), IN `semester` INT(20), IN `course` VARCHAR(20))  
BEGIN  
    INSERT INTO student(Name,Enrollment_no,Semester,Course) VALUES(name,enrollment,semester,course);  
END$$  
DELIMITER;
```

#### SP\_UpdateStudent

```
DELIMITER $$  
CREATE DEFINER=`root`@`localhost` PROCEDURE `SP_UpdateStudent`(IN `id` INT(50), IN `name` VARCHAR(20),  
IN `enrollment` VARCHAR(20), IN `semester` INT(20), IN `course` VARCHAR(20))  
BEGIN  
    UPDATE student SET Name=name, Enrollment_no=enrollment, Semester=semester, Course=course WHERE  
id=id;
```

END\$\$

DELIMITER;

**classes/DbConfig.php**

<?php

```
class DbConfig
{
    private $host="localhost";
    private $username="root";
    private $password="";
    private $dbName="student_info";
    public $con="";

    function __construct()
    {
        try{
            $this->con = mysqli_connect(
                $this->host,
                $this->username,
                $this->password,
                $this->dbName,
            ) or die("Some Error Occured,Message:".mysqli_connect_error());
        }

        catch(Exception $e){
            echo "Exception occurs,Message:".$e->message;
        }
    }
}
```

?>

**classes/student.php**

<?php

include\_once "DbConfig.php";

```
class student extends DbConfig
{
```

```
    function getStudentById($id){
```

```
$res=mysqli_query($this->con,"call SP_getStudentById('$id')");
```

```
    $resRow=mysqli_fetch_assoc($res);
```

```
    return $resRow;
```

```

    }

    function updateStudent($input){
        extract($input);
        $res=mysqli_query($this->con,"call SP_UpdateStudent('$name','$enrollment','$semester','$course','$id')");
        $resMsg="Update Successfully";
        return $resMsg;
    }
    function getAllStudents()
    {
        $res=mysqli_query($this->con,"call SP_GetAllStudent()");
        $resArray=array();
        while($row=mysqli_fetch_assoc($res)){
            $resArray[]=$row;
        }
        return $resArray;
    }

    function insertStudent($input){
        extract($input);
        $res=mysqli_query($this->con,"call SP_InsertStudent('$name','$enrollment','$semester','$course')");
        $resMsg="Inserted Successfully";
        return $resMsg;
    }

    function deleteStudentById($id){
        $res=mysqli_query($this->con,"call SP_DeleteStudent('$id')");
        $resMsg="Deleted Successfully";
        return $resMsg;
    }
}

```

#### **con\_deleteStudent.php**

```

<?php
    include_once "../classes/student.php";
    $s=new student();
    $deleteMsg=$s->deleteStudentById($_GET['id']);
    header("Location:listStudents.php");
    die();
?>

```

#### **con\_editStudent.php**

```

<?php

```

```
include_once "../classes/student.php";
$s=new student();
$updateMsg=$s->updateStudent($_POST);
header("Location:listStudents.php");
die();
```

?>

### **con\_studentRegistration.php**

<?php

```
include_once "../classes/student.php";
$s=new student();
$s->insertStudent($_POST);
header("Location:listStudents.php");
die();
```

?>

### **detailStudent.php**

<!DOCTYPE html>

<html>

<head>

<title>Student Detail</title>

</head>

<body>

<?php

```
include_once "../classes/student.php";
$s=new student();
$stuDetail=$s->getStudentById($_GET['id']);
```

?>

<a href="listStudents.php">Back</a>

<table border="1">

<tr>

<th>Id</th>

<td><?php echo \$stuDetail['id'];?></td>

</tr>

<tr>

<th>Name</th>

<td><?php echo \$stuDetail['Name'];?></td>

</tr>

<tr>

<th>Enrollment No.</th>

<td><?php echo \$stuDetail['Enrollment\_No'];?></td>

</tr>

```

        <tr>
            <th>Semester</th>
            <td><?php echo $stuDetail['Semester'];?></td>
        </tr>
        <tr>
            <th>Course</th>
            <td><?php echo $stuDetail['Course'];?></td>
        </tr>
    </table>
</body>
</html>

```

### **editStudent.php**

```

<!DOCTYPE html>
<html>
<head>
    <title>Update Student Details</title>
</head>
<body>
    <?php
        include_once "../classes/student.php";
        $s=new student();
        $stuDetail=$s-> getStudentById($_GET['id']);
    ?>

    <form action="con_editStudent.php" method="Post">
    <input type="hidden" name="id" value="<?php echo $stuDetail['Id'];?>">
        <table>
            <tr>
                <td>Name</td>
                <td>:</td>
                <td>
                    <input type="text" name="name" value="<?php echo $stuDetail['Name'];?>">
                </td>
            </tr>
            <tr>
                <td>Enrollment No.</td>
                <td>:</td>
                <td>
                    <input type="text" name="enrollment" value="<?php echo $stuDetail['Enrollment_No'];?>">
                </td>
            </tr>

```



```

        <tr>
            <td>Semester</td>
            <td>:</td>
            <td>
                <select name="semester">
                    <?php
                        for($i=1;$i<9;$i++){
                            if($stuDetail['Semester']==$i){
                                echo "<option selected>". $i."</option>";
                            }
                            else{
                                echo "<option>". $i.
                                "</option>";
                            }
                        }
                    ?>
                </select>
            </td>
        </tr>
        <tr>
            <td>Course</td>
            <td>:</td>
            <td>
                <input type="text" name="course" value="<?php echo $stuDetail['Course']?>">
            </td>
        </tr>
        <tr>
            <td colspan="3">
                <a href="listStudents.php">Cancle</a>
                <input type="submit" name="Save">
            </td>
        </tr>
    </table>

</form>
</body>
</html>

listStudents.php
<!DOCTYPE html>
<html>

```

```
<head>
    <title>List of Students</title>
</head>
<body>
    <table border="1">
        <tr>
            <th>Name</th>
            <th>Enrollment No.</th>
            <th>Details</th>
            <th>Edit</th>
            <th>Delete</th>
        </tr>
        <?php
            include_once "../classes/student.php";
            $s=new student();
            $stuArray=$s->getAllStudents();
            foreach ($stuArray as $key => $value) {
        ?>
        <tr>
            <td>
                <?php echo $value['Name']; ?>
            </td>
            <td>
                <?php echo $value['Enrollment_No']; ?>
            </td>
            <td>
                <a href="detailStudent.php?id= <?php echo $value['Id']; ?>">Know
                more...</a>
            </td>
            <td>
                <a href="editStudent.php?id= <?php echo $value['Id']; ?>">Edit</a>
            </td>
            <td>
                <a onclick="return confirm('Are you sure you want to delete?');"
                href="con_deleteStudent.php?id= <?php echo $value['Id']; ?>">Delete</a>
            </td>
        </tr>
        <?php
            }
        ?>
    </table>
</body>
```

</html>

### **studentRegistration.php**

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>Student Registration Form</title>
```

```
</head>
```

```
<body>
```

```
    <form action="con_studentRegistration.php"
```

```
        method="POST">
```

```
        <table>
```

```
            <tr>
```

```
                <td>Name</td>
```

```
                <td>:</td>
```

```
                <td><input type="text" name="name"></td>
```

```
            </tr>
```

```
            <tr>
```

```
                <td>Enrollment No.</td>
```

```
                <td>:</td>
```

```
                <td><input type="text" name="enrollment"></td>
```

```
            </tr>
```

```
            <tr>
```

```
                <td>Semester</td>
```

```
                <td>:</td>
```

```
                <td>
```

```
                    <select name="semester">
```

```
                        <?php
```

```
                            for($i=1;$i<=8;$i++){
```

```
                                echo "<option>".$i."</option>";
```

```
                            }
```

```
                        ?>
```

```
                    </select>
```

```
                </td>
```

```
            </tr>
```

```
            <tr>
```

```
                <td>Course</td>
```

```
                <td>:</td>
```

```
                <td><input type="text" name="course">
```

```
                </td>
```

```
            </tr>
```

```
        </table>
```

```
<td colspan="3">
    <input type="submit" name="Save">
</td>
</tr>
</table>
</form>
</body>
</html>
```