

## 1.Control Structures and Loops in PHP Bank Transaction

### Coding:

```
<html>

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Bank Transactions</title>

</head>

<body>

<h2>Bank Transactions</h2>

<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);
?>">

    <label for="initialBalance">Initial Balance:</label>

    <input type="number" name="initialBalance" required><br><br>

    <label for="numTransactions">Number of Transactions:</label>

    <input type="number" name="numTransactions" required><br><br>

    <label for="transactionType">Transaction Type:</label>

    <select name="transactionType" required>

        <option value="deposit">Deposit</option>

        <option value="withdraw">Withdraw</option>

    </select><br><br>

    <label for="amount">Amount:</label>

    <input type="number" name="amount" required><br><br>
```

```
<input type="submit" value="Perform Transactions">

</form>

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $iBalance = $_POST["initialBalance"];

    $numT = $_POST["numTransactions"];

    $tranType = $_POST["transactionType"];

    $amt = $_POST["amount"];

    echo "<h3>Transaction Results:</h3>";

    echo "<p>Initial Balance: $iBalance</p>";

    for ($i = 1; $i<= $numT; $i++) {

        echo "<p>Transaction $i:</p>";

        switch ($tranType) {

            case "deposit":

                $iBalance += $amt;

                echo "<p>Deposit: +$amt</p>";

                break;

            case "withdraw":

                if ($amt <= $iBalance) {

                    $iBalance -= $amt;

                    echo "<p>Withdrawal: -$amt</p>";

                } else {

                    echo "<p style='color: red;'>Insufficient funds for withdrawal!</p>";

                }

            }

        }

    }

}
```

**break;**

**default:**

**echo "**<p style='color: red;\*>Invalid transaction type!</p>";

**}**

**}**

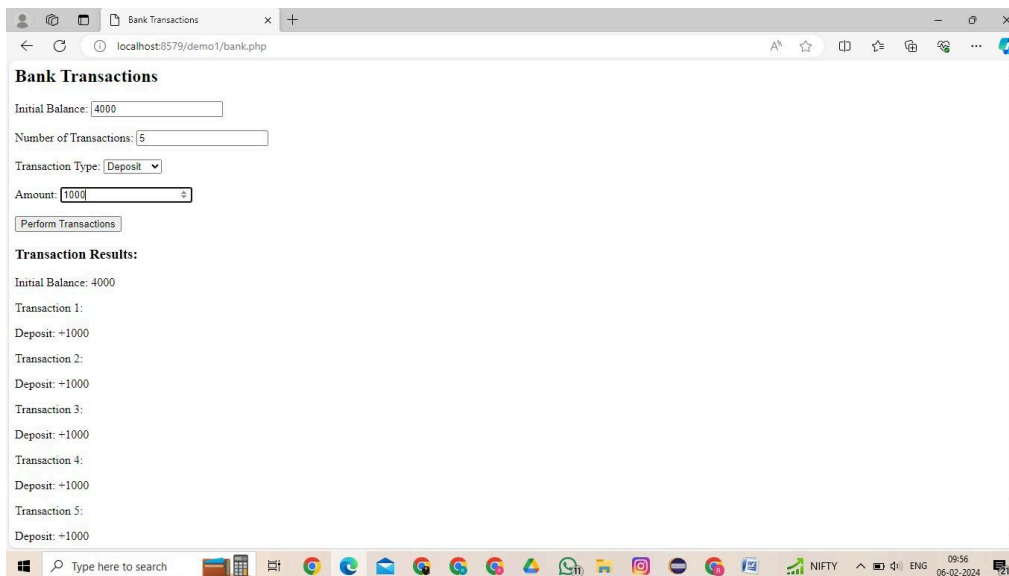
**echo "**<p>Final Balance: \$iBalance</p>";

**}**

**?>**

**</body></html>**

## OUTPUT SCREEN:



The screenshot shows a web browser window with the title 'Bank Transactions'. The address bar shows 'localhost:8579/demo1/bank.php'. The page content includes a form with the following fields: 'Initial Balance' (4000), 'Number of Transactions' (5), 'Transaction Type' (Deposit), and 'Amount' (1000). A 'Perform Transactions' button is below the form. Below the form, the 'Transaction Results' are displayed, showing the initial balance and five transactions, each being a deposit of 1000.

**Bank Transactions**

Initial Balance: 4000

Number of Transactions: 5

Transaction Type: Deposit

Amount: 1000

Perform Transactions

**Transaction Results:**

Initial Balance: 4000

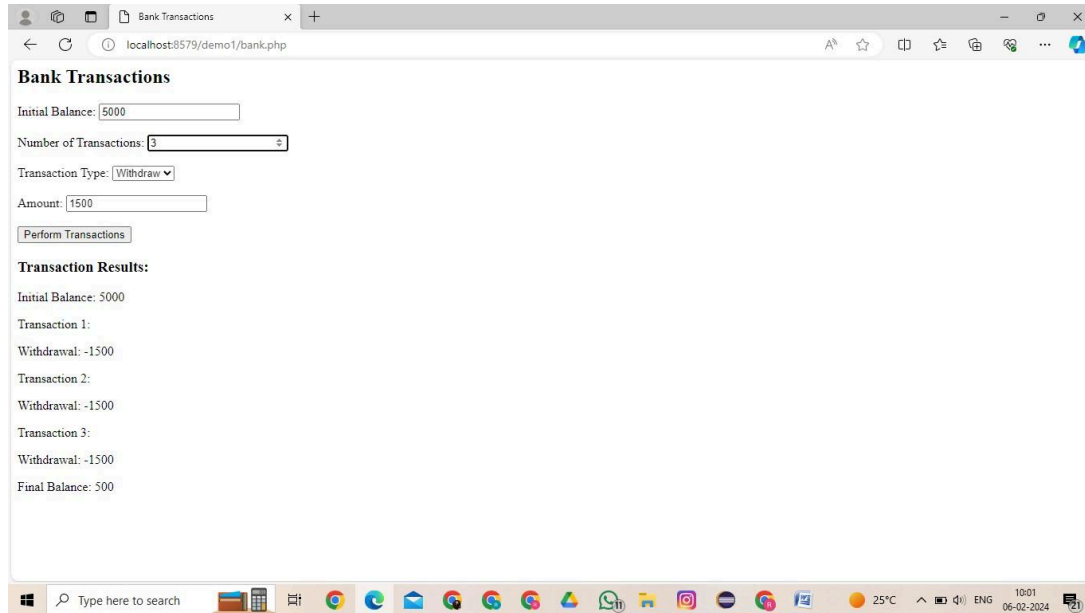
Transaction 1:  
Deposit: +1000

Transaction 2:  
Deposit: +1000

Transaction 3:  
Deposit: +1000

Transaction 4:  
Deposit: +1000

Transaction 5:  
Deposit: +1000



## 2.GET AND POST METHODS IN PHP

### HTML CODE:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>Student Course Selection</title>
```

```
</head>
```

```
<body>
```

```
<h1><b><center>Course Registration</center></b></h1>
```

```
<form action="REGISTRATION.php" method="get">
```

```
<Table align="center">
```

```

<tr><th>Name</th>

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

<tr><th>SSLC Mark </th>

<td><input type="number" name="sslcmrk"></td>

</tr>

<tr><th>HSC Mark </th><td><input type="number" name="hscmrk"></td></tr>

<tr>

<th>Courses</th><td><select name="course">

<option value="Computer Science">Computer Science</option>

<option value="Computer Science with Cognitive Systems">Computer Science with
Cognitive Systems</option>

<option value="Computer Science with Artificial Intelligence">Computer Science with
Artificial Intelligence</option>

<option value="Information Technology">Information Technology</option>

<option value="B.Sc CS with cyber security">B.Sc CS with cyber
security</option></td></tr>

<tr><td><input type="submit" name="submit"></td></tr>

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

```

#### PHP CODE:

```

<?php

$name=$_GET["name"];

$sslc=$_GET["sslcmrk"];

```

```
$hsc=$_GET["hscmrk"];

$course=$_GET["course"];

echo "<b>NAME:</b>".$name."<br>";

echo "<b>SSLC MARK:</b>".$sslc."<br>";

echo "<b>HSC MARK:</b>".$hsc."<br>";

echo "<b>COURSE SELECTED:</b>".$course."<br>";

?>
```

### OUTPUT SCREEN:

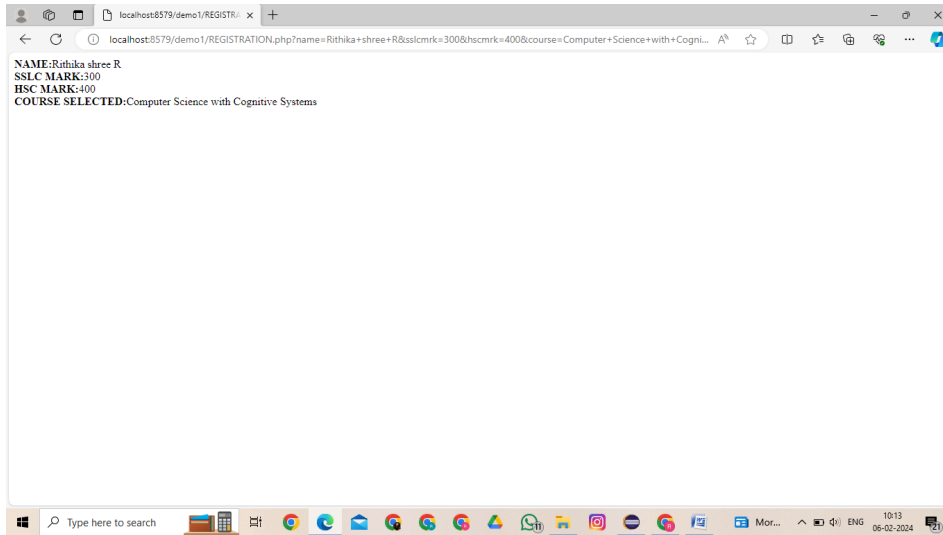
**Course Registration**

Name

SSLC Mark

HSC Mark

Courses



### 3. ARRAY AND FUNCTIONS IN PHP

#### CODING:

```
<?php

if(isset($_POST['disp']))

{

    $s=$_POST['s'];

    $ch=$_POST['ch'];

    switch($ch)

    {

        case 'STRING LENGTH':

            $res= strlen($s);
```

```
break;

case 'WORD COUNT':

$res= str_word_count($s);

break;

case 'STRING REVERSE':

$res=strev($s);

break;

case 'POSITION OF A CHARACTER':

$res=strpos($s,"a");

break;

case 'STRING REPLACE':

$res=str_replace($s,"hello","world");

break;

case 'STRING SPLIT':

$res=str_split($s,1);

break;

case 'PASSWORD GENERATOR':

$data="1234567890ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz";

$res= substr(str_shuffle($data),0,7);

break;}}

?>

<html>
```



```

<body bgcolor="cyan">

<form action="" method="post">

<table align="center" border="3" width="20%"><br><br>

<tr bgcolor="forestgreen"><td align="center" colspan="2">

<font color="white" face="arial black" size="5">STRING HANDLING</font></td></tr>

<tr><td><input type="button" value="Enter String"></td>

<td><input type="text" name="s"></td></tr>

<tr><td><input type="button" value="Select Your Choice"></td>

<td><center><select name="ch">

<option>STRING LENGTH</option>

<option>WORD COUNT</option>

<option>STRING REVERSE</option>

<option>POSITION OF A CHARACTER</option>

<option>STRING REPLACE</option>

<option>STRING SPLIT</option>

<option>PASSWORD GENERATOR</option>

</center></select></td></tr>

<tr><td><input type="submit" value=" RESULT " name="disp"></td>

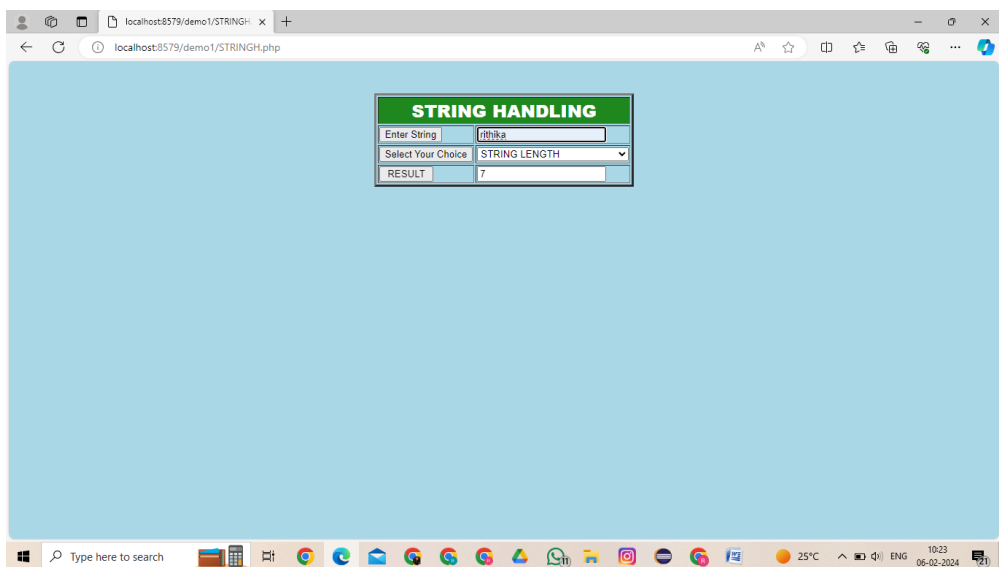
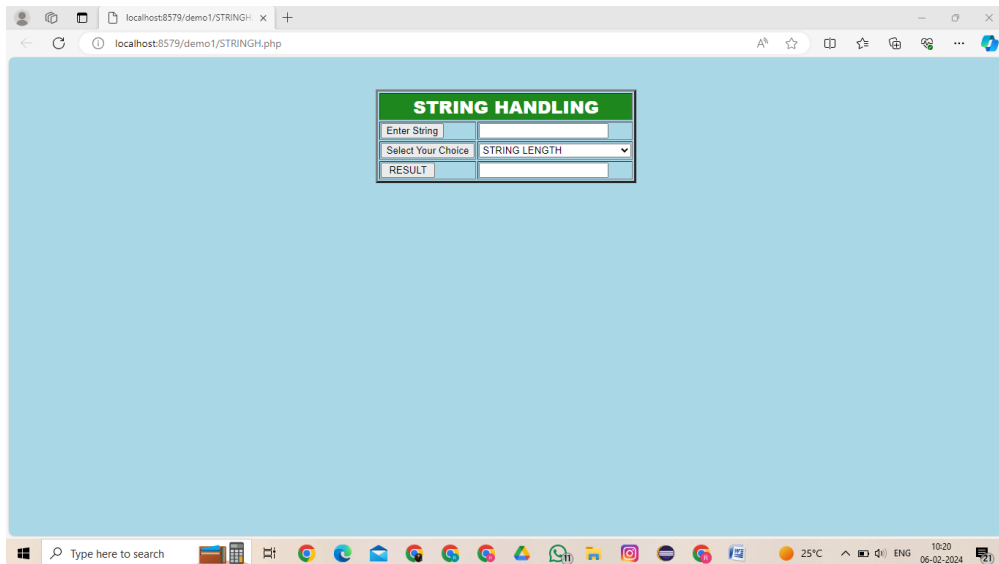
<td><input type="text" value="<?php echo @$res; ?>" readonly="true"/>

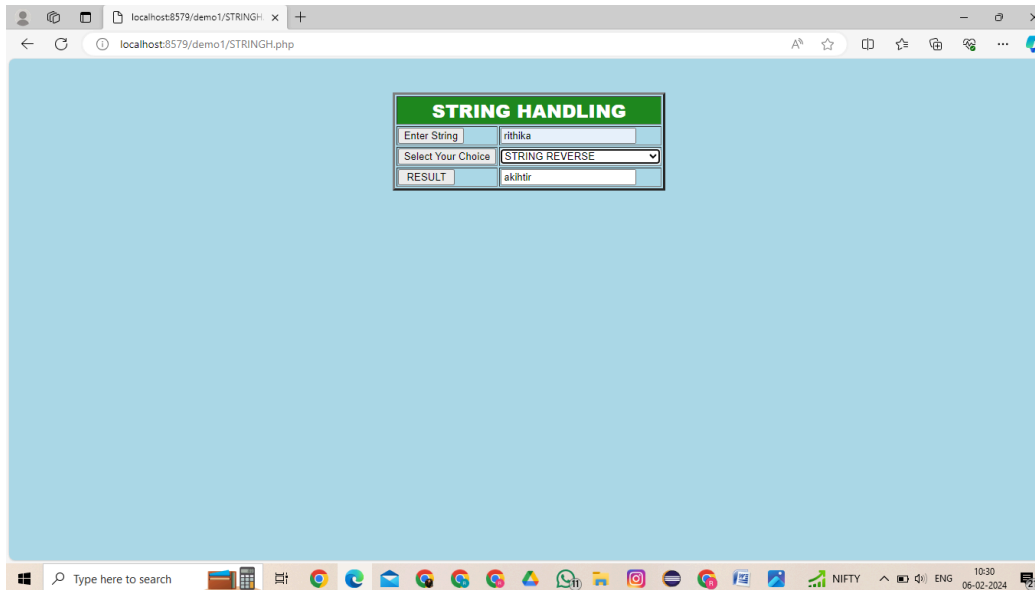
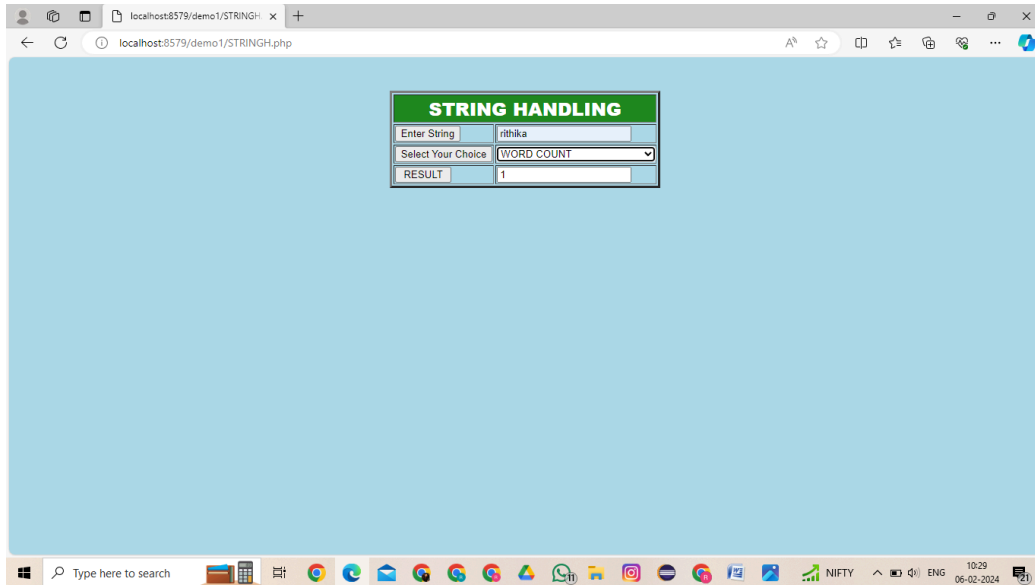
</td></tr></table>

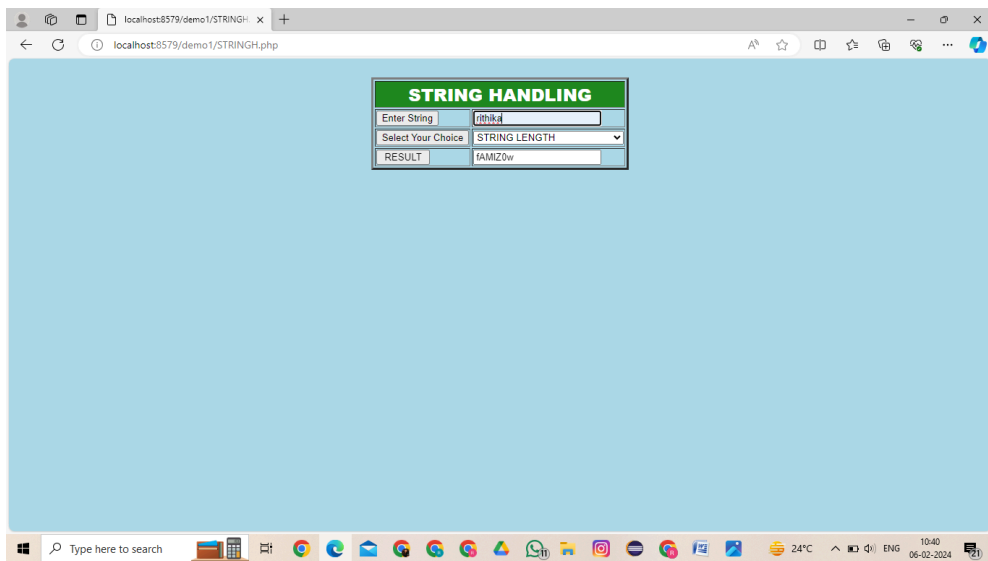
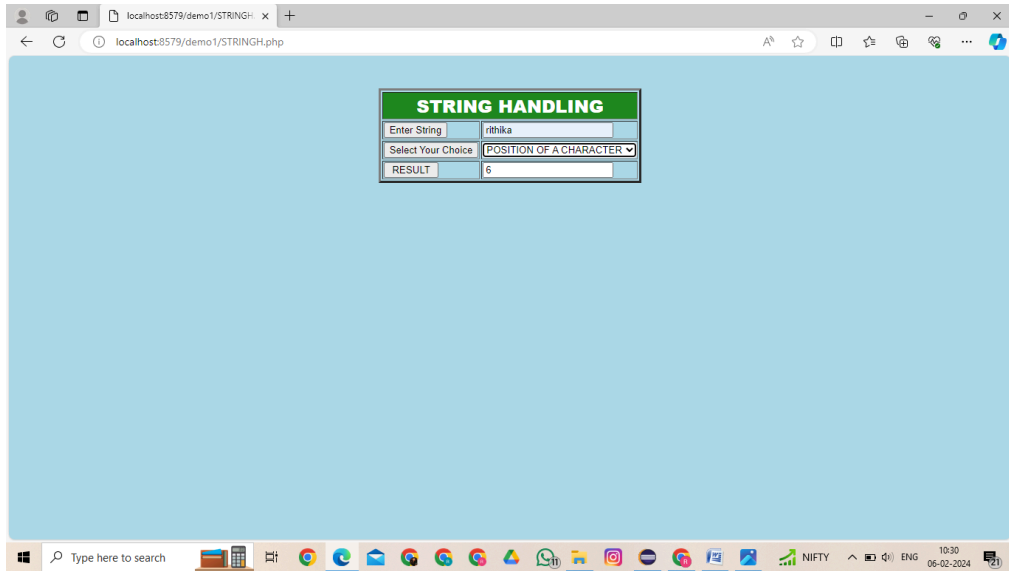
</body></html>

```

**OUTPUT SCREEN:**







## 4.Using Arrays and Functions – Quiz Application

### **CODING:**

```
<!DOCTYPE html>

<html>

<head>

<title>Quiz Application</title>

</head>

<body>

<h1>Quiz Application</h1>

<form method="post">

<p>Question 1: Full form for WDD?</p>

<input type="radio" name="q1" value="Web Design Development " required> Web Design
Development <br>

<input type="radio" name="q1" value=" Web Deploy Development "> Web Deploy
Development <br>

<input type="radio" name="q1" value="None of the above"> None of the above <br>

<p>Question 2: All variable names are case sensitive: </p>

<input type="radio" name="TRUE" value="3"> 3<br>

<input type="radio" name="q2" value="FALSE" required> 4<br>

<input type="submit" name="submit" value="Submit">

</form>

<?php

    // Function to check quiz answers and calculate the score

    function checkAnswers($userAnswers) {
```

```

        $correctAnswers = array('q1' => ' Web Design Development ', 'q2' => 'TRUE');

        $score = 0;

        foreach ($userAnswers as $question => $userAnswer) {

            if (isset($correctAnswers[$question]) && $correctAnswers[$question] ===
            $userAnswer) {

                $score++;

            }

        }

        return $score;

    }

    // Check if the form has been submitted

    if (isset($_POST['submit'])) {

        $userAnswers = array(

            'q1' => $_POST['q1'],

            'q2' => $_POST['q2']

        );

        $score = checkAnswers($userAnswers);

        echo "<h2>Quiz Results:</h2>";

        echo "<p>Your Score: $score out of 2</p>";

    }

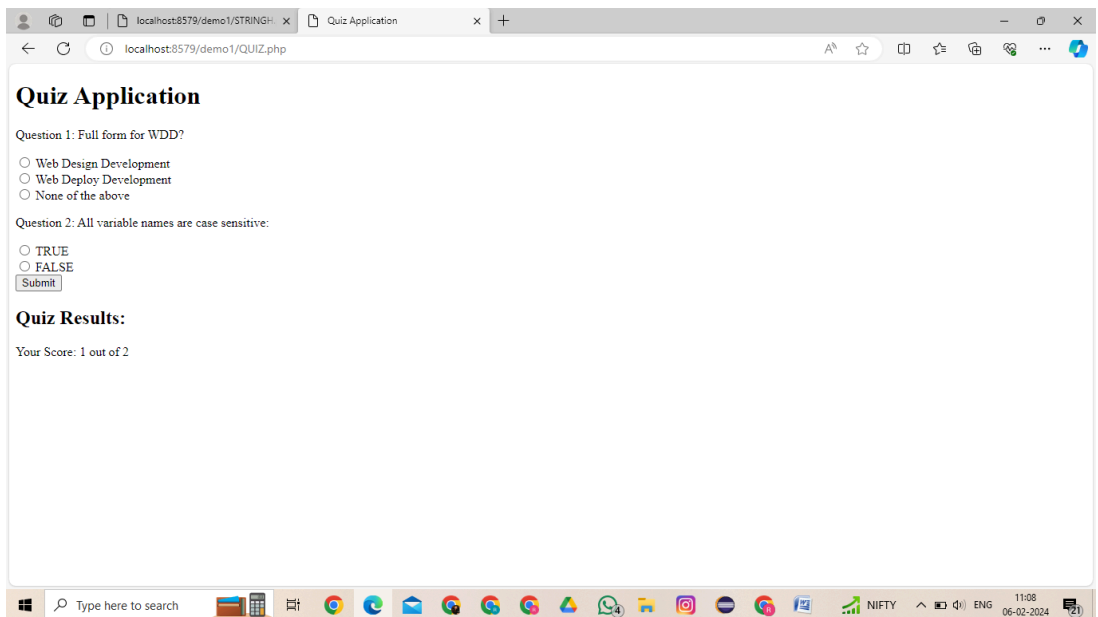
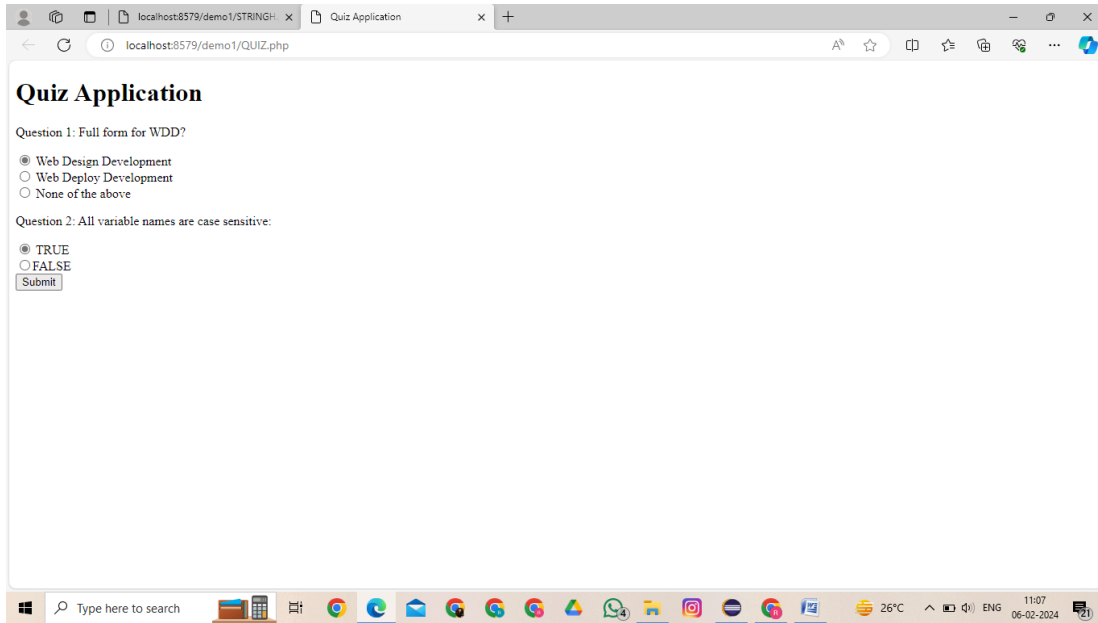
    ?>

</body>

</html>

```

**OUTPUT SCREEN:**



## 5. Regular Expressions in PHP

Code:

```
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Regular Expressions</title>
</head>
<body>
<h2>Regular Expression</h2>
<form method="post" action="">
  <label for="input_text">Enter Text:</label>
  <input type="text" name="input_text" id="input_text" required>
  <button type="submit">Submit</button>
</form>

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $userInput = $_POST["input_text"];

  // Regular expression to match only letters and numbers
  $pattern = '/^[a-zA-Z0-9]+$/';
  echo "<h3>Applied Regular Expressions:</h3>";

  // Check if the input matches the pattern

  if (preg_match($pattern, $userInput)) {
    echo "<p>Input contains only letters and numbers.</p>";
  } else {
    echo "<p>Input contains characters other than letters and numbers.</p>";
  }
  // Find all matches of letters in the input

  preg_match_all('/[a-zA-Z]/', $userInput, $matches);
  echo "<p>Letters found: " . implode(" ", $matches[0]) . "</p>";

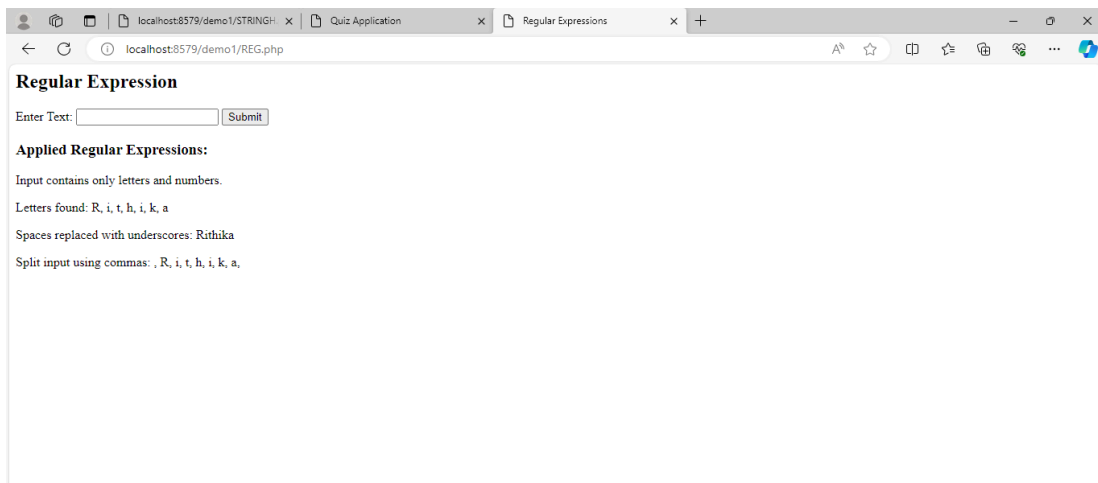
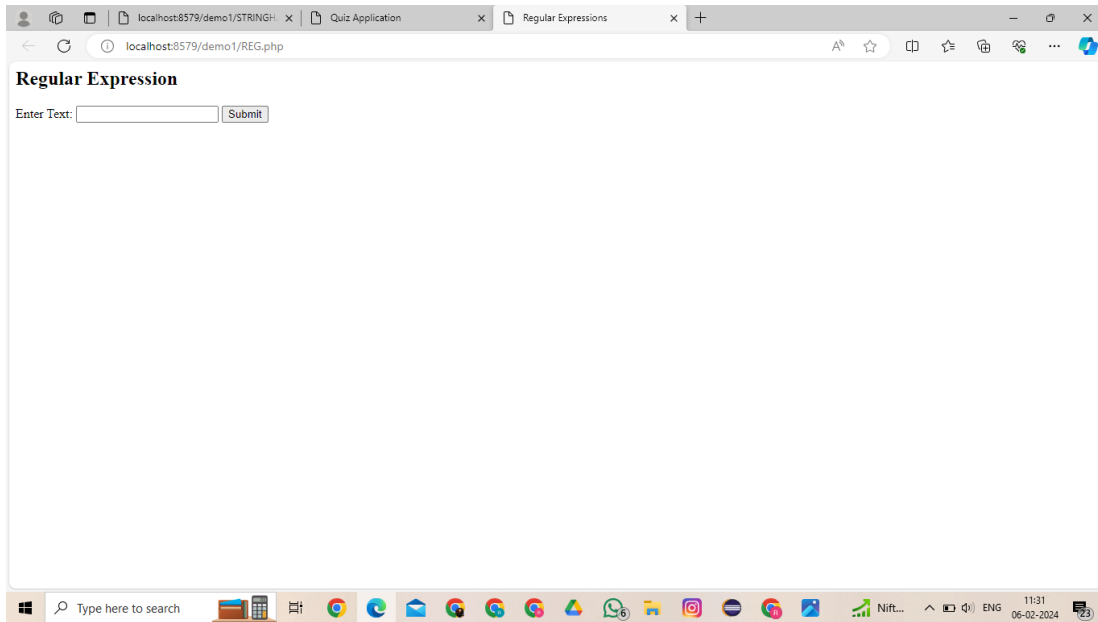
  // Replace spaces with underscores
  $modifiedText = preg_replace('/\s/', '_', $userInput);
  echo "<p>Spaces replaced with underscores: $modifiedText</p>";

  // Split the input into an array using commas as delimiters
  $splitText = preg_split('/', $userInput);
  echo "<p>Split input using commas: " . implode(" ", $splitText) . "</p>";
}
```



```
?>
</body>
</html>
```

## OUTPUT SCREEN:



## 6. Form Handling in PHP– Conference Registration

Code:

```
<!DOCTYPE html>

<html>

<head>

  <title>Conference Registration</title>

  <style>

    body {

      font-family: Arial, sans-serif;

      background-color: #FFEBF5; /* Light pink background */

      margin: 0;

      padding: 0;

      display: flex;

      justify-content: center;

      align-items: center;

      height: 100vh;

    }

    .container {

      background-color: #fff;

      padding: 20px;

      border-radius: 10px;

      box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);

      width: 80%;

      max-width: 400px;

    }

    h1 {

      color: #FF69B4; /* Darker pink for headings */

      margin-bottom: 20px;
```

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

```
label {  
    display: block;  
    margin-bottom: 8px;  
    color: #FF69B4; /* Pink for labels */  
}
```

```
input[type="text"],  
input[type="email"],  
select {  
    width: 100%;  
    padding: 10px;  
    margin-bottom: 15px;  
    border: 1px solid #FF69B4; /* Pink border for input fields */  
    border-radius: 4px;  
}
```

```
select {  
    height: 100px;  
}
```

```
input[type="submit"] {  
    background-color: #FF69B4;  
    color: fff;  
    padding: 10px 20px;  
    border: none;  
    border-radius: 4px;  
    cursor: pointer;
```

```
display: block;  
margin: 0 auto;  
}
```

```
input[type="submit"].hover {  
background-color: #E85C9E;  
}
```

```
h2 {  
color: #FF69B4;  
margin-bottom: 10px;  
text-align: center;  
}
```

```
ul {  
margin-left: 20px;  
}
```

```
li {  
margin-bottom: 5px;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="container">
```

```
<h1>Conference Registration</h1>
```

```
<form method="post">
```

```
<label for="name">Name:</label>
```

```
<input type="text" id="name" name="name" required>
```

```
<label for="email">Email:</label>
```

```
<input type="email" id="email" name="email" required>
<label for="organization">Organization:</label>
<input type="text" id="organization" name="organization" required>
<label for="sessions">Select Sessions:</label>
<select id="sessions" name="sessions[]" multiple required>
    <option value="session1">Session 1 - Topic 1</option>
    <option value="session2">Session 2 - Topic 2</option>
    <option value="session3">Session 3 - Topic 3</option>
</select>
<input type="submit" name="submit" value="Register">
</form>
```

```
<?php
```

```
// Check if the form has been submitted
```

```
if (isset($_POST['submit'])) {
```

```
    $name = $_POST['name'];
```

```
    $email = $_POST['email'];
```

```
    $organization = $_POST['organization'];
```

```
    $selectedSessions = $_POST['sessions'];
```

```
// Display the registration details
```

```
echo "<h2>Registration Details:</h2>";
```

```
echo "<p>Name: $name</p>";
```

```
echo "<p>Email: $email</p>";
```

```
echo "<p>Organization: $organization</p>";
```

```
echo "<p>Selected Sessions:</p>";
```

```
echo "<ul>";
```

```
foreach ($selectedSessions as $session) {
```

```
    echo "<li>$session</li>";
```

```
}
```

```

        echo "</ul>";
    }
?>
</div>
</body>
</html>

```

## OUTPUT SCREEN:

**Conference Registration**

Name:  
Rithika shree R

Email:  
21bcc027@psgrkcw.ac.in

Organization:  
PSGR Krishnammal college for women

Select Sessions:  
Session 1 - Topic 1  
Session 2 - Topic 2  
Session 3 - Topic 3

Register

**Registration Details:**

Name: Rithika shree R  
Email: 21bcc027@psgrkcw.ac.in  
Organization: PSGR Krishnammal college for women  
Selected Sessions:  
• session1

## Program 7 – Server Link Validation

### Coding :

```
<?php
if(isset($_POST['Submit'])){
    $emp_name=trim($_POST["emp_name"]);
    $emp_number=trim($_POST["emp_number"]);
    $emp_email=trim($_POST["emp_email"]);
    if(!isset($emp_name) || $emp_name==""){
        $errorMsg= "error: You did not enter a name.";
        $code="1";
    }
    elseif($emp_number==""){
        $errorMsg= "error: Please enter number.";
        $code="2";
    }
    elseif(is_numeric(trim($emp_number))== false) {
        $errorMsg= "error: Please enter numeric value.";
        $code="2";
    }
    elseif(strlen($emp_number)<10){
        $errorMsg= "error: Number should be ten digits.";
        $code="2";
    }
    elseif($emp_email==""){
        $errorMsg= "error: You did not enter a email.";
```

```
$code="3";

}

elseif(!preg_match("/^[0-9a-zA-Z-]+@([0-9a-zA-Z][0-9a-zA-Z-]+\.)+[a-zA-Z]{2,6}$/i",
$emp_email)){

$errorMsg='error: You did not enter a valid email.';
$code="3";

}

else{

echo "Success";

}

}

?>

<html>

<head>

<meta charset="utf-8">

<title>Employee Information Sample HTML Form</title>

<style type="text/css">

.errorMsg {border:1px solid red; }

.message {color: red; font-weight:bold;}

</style>

</head>

<body>

<?php

if (isset($errorMsg))

{

echo "<p class='message'>" . $errorMsg. " </p>";

}

?>
```



```

<form name="registration" id="registration" method="post" action=""> <table
width="400" border="0" align="center" cellpadding="4" cellspacing="1"> <tr>
<td>Employee Name:</td>

<td><input name="emp_name" type="text" id="emp_name" value="<?php
if(isset($emp_name)) {echo $emp_name;} ?>"

<?php if(isset($code) && $code ==1) { echo "class=errorMsg" ;} ?>></td>
</tr>
<tr>

<td>Contact No.: </td>

<td><input name="emp_number" type="text" id="emp_number" value="<?php
if(isset($emp_number)) {echo $emp_number;} ?>"

<?php if(isset($code) && $code == 2) { echo "class=errorMsg"; } ?>></td>
</tr>
<tr>

<td> Personal Email: </td>

<td><input name="emp_email" type="text" id="emp_email" value="<?php
if(isset($emp_email)) {echo $emp_email; } ?>"

<?php if(isset($code) && $code == 3) { echo "class=errorMsg" ;} ?>></td>
</tr>
<tr>

<td></td>

<td><input type="submit" name="Submit" value="Submit"></td>
</tr>
</table>

</form>

</body>

</html>

```

**OUTPUT SCREEN:**

Employee Information Sample H x +

localhost:8579/demo1/SERVER.php

error: Number should be ten digits.

Employee Name: RITHIKA

Contact No.: 90806754

Personal Email: r@gmail.com

Submit

Employee Information Sample H x +

localhost:8579/demo1/SERVER.php

Success

Employee Name: RITHIKA

Contact No.: 90806754543

Personal Email: r@gmail.com

Submit

## Program 8 – Cookies

### Coding :

```
<?php
if(!isset($_COOKIE['visits']))$_COOKIE['visits']=0;
$visits=$_COOKIE['visits']+1;
setcookie('visits',$visits,time()+3600*24*365);
?>

<html>

<head><style type="text/css">

div{font-size:20pt;color:navy;font-family:arial black;width:50%;background-color:white}
p{font-size:18pt;color:lime;font-weight:bold;text-align:center;font-family:bauhaus93}
.groove{border-style:groove}
.dotted{border-style:dotted}

</style></head><body bgcolor="salmon">

<?php
echo'<br><br><center><div class="groove">HIT COUNTER USING
COOKIES</div><br>';
echo'<div class="dotted">';
if($visits>1){
    echo"<p>This is visit number $visits</p>";}
else {
    echo'<p>Welcome to my Website! Click here for a tour!</p>';}
echo"<br></center></div>";
?></body></html>
```

### OUTPUT SCREEN:

