

CYCLE SHEET 3

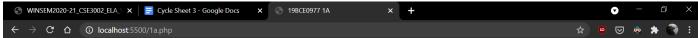
B.Tech in Computer Science and Engineering (CSE), Winter Semester 2020-21

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Slot:	L27 + L28
Date:	01/05/2021

- 1. Develop HTML and PHP Programs for the following:
 - a. Display welcome message
 - Get user name and greet the user based on system time (like good morning)
 - c. Change back ground color of the web page based on user input(r-red, g-green, b-blue, w-white, l-black, o-orange, etc.). Use switch case statement.
 - d. Get a string as input and check the given string is palindrome or not without using built-in function for comparison.

1a. Source code:

Output:



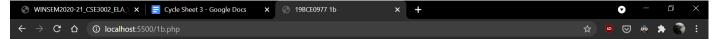
Welcome!

1b.

Source code:

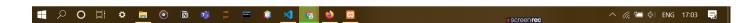
```
<!-- Get user name and greet the user based on system time (like good morning) -->
<?php
if(isset($_POST['sub'])){
    $uname = $ POST['uname'];
   date_default_timezone_set('Asia/Kolkata');
   h = (int) date("H");
   $greet = "";
   if($h < 5 && $h >= 20){
        $greet = "night";
    elseif($h >= 5 && $h < 12){
        $greet = "morning";
    elseif($h >= 12 && $h <= 16){
        $greet = "afternoon";
    }else{
        $greet = "evening";
   echo "<h1>Good ".$greet." ".$uname."</h1>";
?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>19BCE0977 1b</title>
</head>
<body>
   <form action="1b.php" method="post">
        Username: <input type="text" name="uname" id="uname">
       <input name="sub" type="submit" value="Submit">
   </form>
</body>
</html>
```

Output:



Good evening Swaranjana

Username: Submit

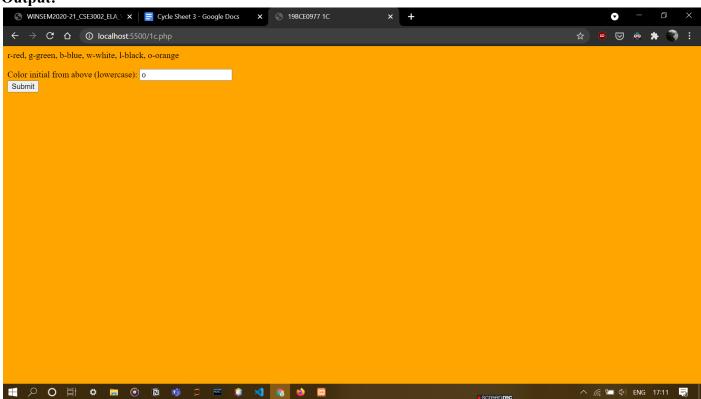


1c. Source code:

```
<?php
if(isset($ POST['sub'])){
   $col = $ POST['color'];
   $bg = "white";
   if($col === "r"){
       $bg = "red";
    }elseif($col === "g"){
       $bg = "green";
    }elseif($col === "b"){
       $bg = "blue";
    }elseif($col === "w"){
       $bg = "white";
    }elseif($col === "1"){
       $bg = "black";
    }elseif($col === "o"){
       $bg = "orange";
    }else{
       echo "<h3>Invalid choice</h3>";
    echo '<body style="background-color:'.$bg.'">';
```

```
?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>19BCE0977 1C</title>
</head>
<body>
   <form action="1c.php" method="post">
       r-red, g-green, b-blue, w-white, l-black, o-orange
       Color initial from above (lowercase): <input type="text" name="color">
       <br>
       <input name="sub" type="submit" value="Submit">
   </form>
</body>
</html>
```

Output:



1d.

```
<?php
function isPalindrome($str) {
   $i = 0;
   $j = strlen($str)-1;
   $flag = 1;
   while($i < $j){</pre>
        if($str[$i] != $str[$j]){
            echo "<h1>Not Palindrome</h1>";
            $flag = 0;
            break;
        $i++;
        $j--;
   if($flag === 1){
       echo "<h1>Palindrome</h1>";
    }
if(isset($_POST['sub'])){
   $str = $_POST['str'];
   isPalindrome($str);
?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>19BCE0977 1D</title>
</head>
<body>
   <form action="1d.php" method="post">
        Enter a string: <input type="text" name="str">
        <br>
```

```
<input name="sub" type="submit" value="Submit">
    </form>
</body>
</html>
```

Output:





2. Create a web page with the following details

No.	Field	Component		
1.	Name	Text Box		
2.	Password	Password		
3.	Gender(Male or Female)	Radio Button		
4.	Date of Birth	Date - Drop Down Box		
		Month - Drop Down Box		
		Year - Drop Down Box		
5.	Education	PG - Check Box		
		UG - Check Box		
		Professional - Check Box		
6.	Email id	Text box		

Submit these details to next page, where those have to be displayed. Create a PHP program for this.

Source code:

2.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>19BCE0977 Q2</title>
</head>
<body>
   <form action="2.php" method="POST" id="q2">
      Full Name
             <input type="text" name="full-name" id="full-name">
          Password
             <input type="password" name="pwd" id="pwd">
          Gender
             <input type="radio" id="male" name="gender" value="male">
                <label for="male">Male</label><br>
                <input type="radio" id="female" name="gender" value="female">
                <label for="female">Female</label><br>
                <input type="radio" id="other" name="gender" value="other">
                <label for="other">Unknown</label>
             Date of Birth
                    <input type="date" placeholder="mm/dd/yyyy" name="dob"
id="dob">
          Education
```

```
<input type="checkbox" id="ug" name="edu[]" value="UG">
                 <label for="ug">UG</label><br>
                 <input type="checkbox" id="pg" name="edu[]" value="PG">
                 <label for="pg">PG</label><br>
                              <input type="checkbox" id="prof" name="edu[]"</pre>
value="Professional">
                 <label for="prof">Professional</label><br>>
             Email
             <input type="text" name="email" id="email">
          <input type="submit" name="sub" id="register" value="Go">
          </form>
</body>
</html>
```

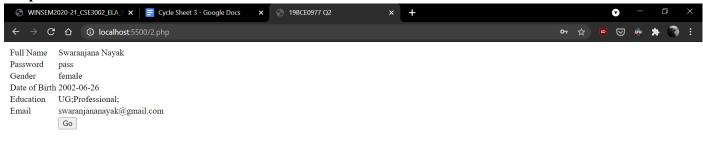
2.php

```
<?php
if(isset($_POST['sub'])){
    $fn = $ POST['full-name'];
    $pwd = $ POST['pwd'];
    $gender = $ POST['gender'];
   $dob = $ POST['dob'];
   $edu = $_POST['edu'];
    $email = $ POST['email'];
?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>19BCE0977 Q2</title>
```

```
</head>
<body>
  <form id="q2">
    Full Name
         <?php echo $fn;?>
       Password
         \t < php echo <math>pwd; ? 
       Gender
         <?php echo $gender;?>
       Date of Birth
         <php echo $dob;?>
       Education
         <?php
         foreach($edu as $value) {
          echo "$value;";
         ?>
       Email
         <?php echo $email;?>
       <
         <input type="submit" name="sub" id="register" value="Go">
       </form>
</body>
```

```
</html>
</php
}
?>
```

Output:





3. Write a PHP program with user defined function to find the value of nCr.

```
function factorial($n) {
    $f = 1;
    for ( $i = 2; $i <= $n; $i++) {
        $f = $f * $i;
    }
    return $f;
}

function NCR($n, $r) {
    $ncr = factorial($n) / (factorial($r) * factorial($n - $r));
    return $ncr;
}

if (isset($_POST['sub'])) {
</pre>
```

```
$n = $_POST['n'];
   r = post['r'];
   echo "<h1>nCr = ".NCR($n, $r)."</h1>";
?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>19BCE0977 Q3</title>
</head>
<body>
   <form action="3.php" method="post">
       Enter positive integer N: <input type="text" name="n">
       <br>
       Enter positive integer R: <input type="text" name="r">
       <br>
        <input name="sub" type="submit" value="Submit">
   </form>
</body>
</html>
```

Output:





- 4. Write a PHP code for following file handling mechanism
 - a. Copy the content of a file into another file.
 - b. Print content of a file into browser.

Source code:

```
<?php

$read = fopen("4-read.txt", "r");
$write = fopen("4-write.txt", "r+");

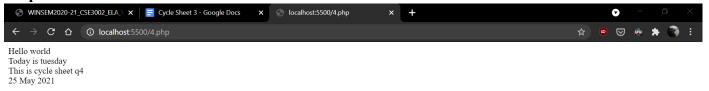
// copying data
while(!feof($read)){
    $str = fgets($read);
    fwrite($write, $str);
}

fclose($read);
fclose($vrite);

// displaying data in browser

$write = fopen("4-write.txt", "r+");
while(!feof($write)){
    $str = fgets($write);
    echo $str."<br/>;
}
fclose($write);
```

Output:



Develop HTML and PHP programs to upload a PDF file into a folder "DATA" which has the maximum size of 5MB.

Source code:

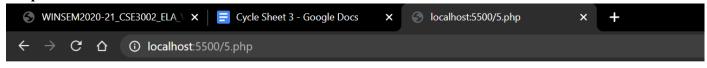
5.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>19BCE0977 Q5</title>
</head>
<body>
   <form name="form" method="post" action="5.php" enctype="multipart/form-data">
                                          5Mb): <input type="file" name="file"
                     PDF
                           file (limit
accept="application/pdf">
       <br>
       <input type="submit" name="submit" value="Upload" />
   </form>
</body>
</html>
```

```
5.php
<?php
if
     (($ FILES['file']['name'] != "") and
                                               ($ FILES['file']['type']
$target dir = "DATA/";
   $file = $ FILES['file']['name'];
   $path = pathinfo($file);
   $filename = $path['filename'];
   $ext = $path['extension'];
   $temp name = $ FILES['file']['tmp name'];
   $path filename ext = $target dir . $filename . "." . $ext;
   if (file_exists($path filename ext)) {
       echo "File already exists.";
   } else {
      move uploaded file($temp name, $path filename ext);
       echo "File Uploaded Successfully.";
```

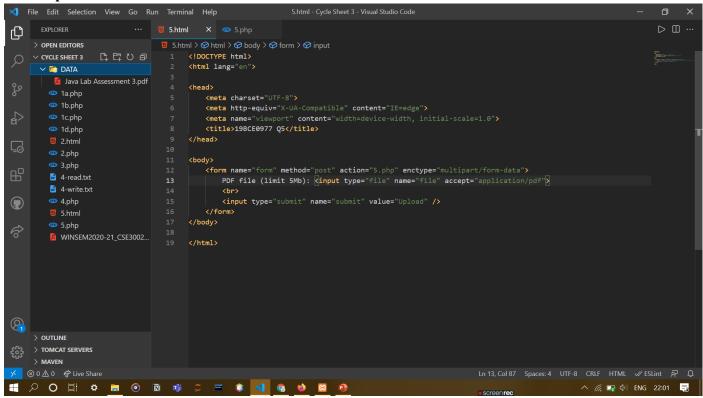
```
} else {
   echo "Please input a valid file.";
}
```

Output:



File Uploaded Successfully.

File is uploaded in data folder.



6. Write a PHP program to find the number of hits of a domain page using Cookies.

```
<?php
if (!isset($_COOKIE['visits'])) {
   echo "This is the first time you have visited this page.";</pre>
```

```
$cookie = 1;
setcookie("visits", $cookie);
}else{
  $cookie = ++$_COOKIE['visits'];
setcookie("visits", $cookie);
echo "You have visited this page ".$_COOKIE['visits']." times.";
}
```

Output



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Write a PHP program to display a username (no need to authenticate with database) for the continuous two pages using cookies.

Source code:

7.html

7-page1.php

```
<?php
if(isset($_POST['submit'])) {
    $uname = $_POST["username"];
    setcookie("username", $uname);
    echo "<h1>Username is $uname </h1>";
    echo "<a href=\"7-page2.php\"><input type=\"button\" value=\"Next page\"></a>";
}
```

7-page2.php

```
<?php

$uname = $_COOKIE["username"];

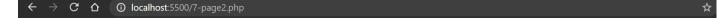
echo "<h1>Username is $uname </h1>";
```

Output:



Username is sn2606

Next page



Username is sn2606

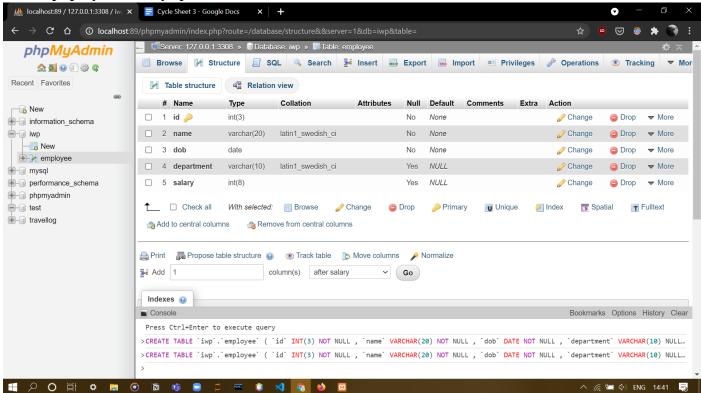
8. Create a tale person (use MYSQL query only, not through PHP program).

Table Name - Employee

Field Name	Data type	Constraints
Id	Int(3)	Primary key
Name	Varchar(20)	Not null
DOB	Date	Not null
Department	Varchar(10)	
Salary	Int(8)	

- a. Design a HTML page to get value for the above fields and submit those into a PHP program. Write PHP code to insert the record and display the status of insertion.
- b. Get value for 'Dept' from user and list those employee detail in HTML table format. Write the necessary HTML and PHP program.
- Design a PHP program to list the total number of employees in each department.
- d. Design a PHP program to update the salary of 'SALE' department by 10% and display the number of employees who get benefit.
- e. Get input for 'Id' and remove that employee detail from the table. Design the suitable HTML and PHP program to do this.

Table - phpmyadmin mysql db

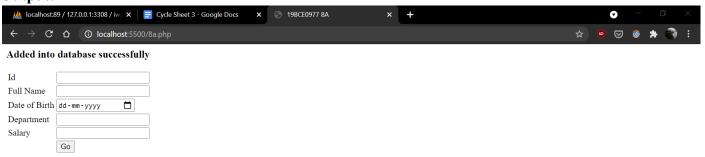


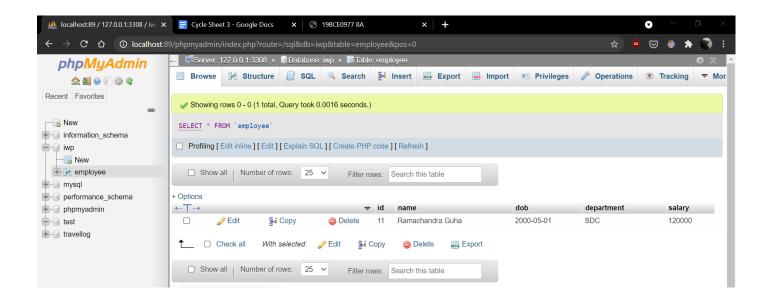
8a.php

```
<?php
if (isset($_POST['sub'])) {
   global $conn;
   $dbServer = "localhost:3308";
   $username = "root";
   $password = "";
   $dbName = "iwp";
   $conn = new mysqli($dbServer, $username, $password, $dbName);
   if ($conn->ping()) {
       // printf ("Our connection is ok!\n");
    } else {
       printf("Error: %s\n", $conn->error);
    }
   if ($conn->connect error) {
       die("Error: " . $conn->connect_error);
    }
   $id = (int)mysqli real escape string($conn, $ POST['id']);
   $name = mysqli_real_escape_string($conn, $_POST['full-name']);
   $dob = mysqli real escape string($conn, $ POST['dob']);
   $dept = mysqli real escape string($conn, $ POST['dept']);
   $salary = (int)mysqli_real_escape_string($conn, $_POST['salary']);
   $idquery = "SELECT * FROM employee WHERE id = '$id'";
   $idres = $conn->query($idquery);
   if ($idres->num_rows > 0) {
       echo "Employee already exists.";
    } else {
          $sql = "INSERT INTO employee(id, name, dob, department, salary)
VALUES('$id', '$name', '$dob', '$dept', '$salary')";
        $result = $conn->query($sql);
       if ($result) {
                          echo "<h3 color:\"green\">Added into database
successfully</h3>";
```

```
} else {
          echo "<h3 color:\"red\">Error: " . $conn->error . "</h3>";
   }
   $conn->close();
?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>19BCE0977 8A</title>
</head>
<body>
      <form action="<?php echo $ SERVER['PHP SELF']; ?>" method="post"
id="form">
      Id
             <input type="text" name="id" required>
          Full Name
                  <input type="text" name="full-name" id="full-name"</pre>
required>
          Date of Birth
               <input type="date" placeholder="mm/dd/yyyy" name="dob"
id="dob" required>
          Department
             <input type="text" name="dept">
```

Output:





8b.php

```
<!-- Get value for 'Dept' from user and list those employee detail in HTML table
Write the necessary HTML and PHP program. -->
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>19BCE0977 8B</title>
</head>
<body>
   <?php
    if (isset($_POST['sub'])) {
        global $conn;
        $dbServer = "localhost:3308";
        $username = "root";
        $password = "";
        $dbName = "iwp";
        $conn = new mysqli($dbServer, $username, $password, $dbName);
        if ($conn->ping()) {
        } else {
            printf("Error: %s\n", $conn->error);
        }
        if ($conn->connect_error) {
            die("Error: " . $conn->connect error);
        }
        $dept = mysqli real escape string($conn, $ POST['dept']);
        $sql = "SELECT * FROM employee WHERE department = '$dept'";
        $result = $conn->query($sql);
```

```
if ($result->num rows > 0) {
          while($row = $result->fetch_assoc()) {
               echo "id: " . $row["id"]. " - Name: " . $row["name"]. ", DOB: " .
$row["dob"]. ", Salary: " . $row["salary"]."<br>";
       } else {
          echo "No employees to display.";
      $conn->close();
   } else {
   ?>
      <form action="<?php echo $ SERVER['PHP SELF']; ?>" method="post" id="form">
          Department
                 <input type="text" name="dept">
              <
                 <input type="submit" name="sub" value="Go">
             </form>
   <?php
   ?>
</body>
</html>
```

Output:



id: 11 - Name: Ramachandra Guha, DOB: 2000-05-01, Salary: 120000 id: 12 - Name: Manali Selmokar, DOB: 2001-06-06, Salary: 125000

8c.php

```
Source code:
```

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>19BCE0977 8C</title>
</head>
<body>
    <?php
   global $conn;
    $dbServer = "localhost:3308";
    $username = "root";
    $password = "";
    $dbName = "iwp";
    $conn = new mysqli($dbServer, $username, $password, $dbName);
   if ($conn->ping()) {
    } else {
        printf("Error: %s\n", $conn->error);
    }
    if ($conn->connect error) {
       die("Error: " . $conn->connect error);
    $sql = "SELECT department, COUNT(*) FROM employee GROUP BY department";
    $result = $conn->query($sql);
    if ($result->num rows > 0) {
        while ($row = $result->fetch assoc()) {
             echo "dept: " . $row["department"] . " - Count: " . $row["COUNT(*)"] .
    } else {
        echo "No employees to display.";
```

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

Output:



8d.php

(inserted a few values of employees for sale department using 8a.php)

```
<!-- Design a PHP program to update the salary of `SALE' department by 10% and
display the number of employees who get benefit -->
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>19BCE0977 8C</title>
</head>
<body>
   <?php
   global $conn;
    $dbServer = "localhost:3308";
    $username = "root";
    $password = "";
    $dbName = "iwp";
    $conn = new mysqli($dbServer, $username, $password, $dbName);
    if ($conn->ping()) {
```

```
} else {
       printf("Error: %s\n", $conn->error);
   if ($conn->connect_error) {
       die("Error: " . $conn->connect_error);
   $sql = "SELECT id, salary FROM employee WHERE department = 'SALE'";
   $result = $conn->query($sql);
   $salary = array();
   if ($result->num rows > 0) {
       while ($row = $result->fetch_assoc()) {
           $s = (int)$row["salary"];
           $id = $row["id"];
           $s += (0.1*$s);
           $upd = "UPDATE employee SET salary='$s' WHERE id='$id'";
           $conn->query($upd);
           array push($salary, $s);
       echo "<h1>Number of employees benefitted:".count($salary)."</h1>";
   } else {
       echo "No employees in SALE.";
   $conn->close();
   ?>
</body>
(/html>
```

Output:



Number of employees benefitted:2

8e.php

```
<!-- Get input for 'Id' and remove that employee detail from the table.
Design the suitable HTML and PHP program to do this. -->
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>19BCE0977 8E</title>
</head>
<body>
   <?php
   if (isset($_POST['sub'])) {
       global $conn;
        $dbServer = "localhost:3308";
        $username = "root";
        $password = "";
        $dbName = "iwp";
        $conn = new mysqli($dbServer, $username, $password, $dbName);
        if ($conn->ping()) {
            // printf ("Our connection is ok!\n");
        } else {
            printf("Error: %s\n", $conn->error);
        }
        if ($conn->connect error) {
            die("Error: " . $conn->connect_error);
        }
        $id = mysqli real escape string($conn, $ POST['id']);
        $sql = "DELETE FROM employee WHERE id = '$id'";
```

```
if ($conn->query($sql)) {
          echo "Employee with id = $id record deleted.";
      } else {
          echo "No employees to delete.";
      $conn->close();
   } else {
   ?>
         <form action="<?php echo $_SERVER['PHP_SELF']; ?>" method="post"
id="form">
          ID
                <input type="text" name="id">
             <
                <input type="submit" name="sub" value="Go">
             </form>
   <?php
   }
   ?>
</body>
</html>
```

Output:





Employee with id = 11 record deleted.