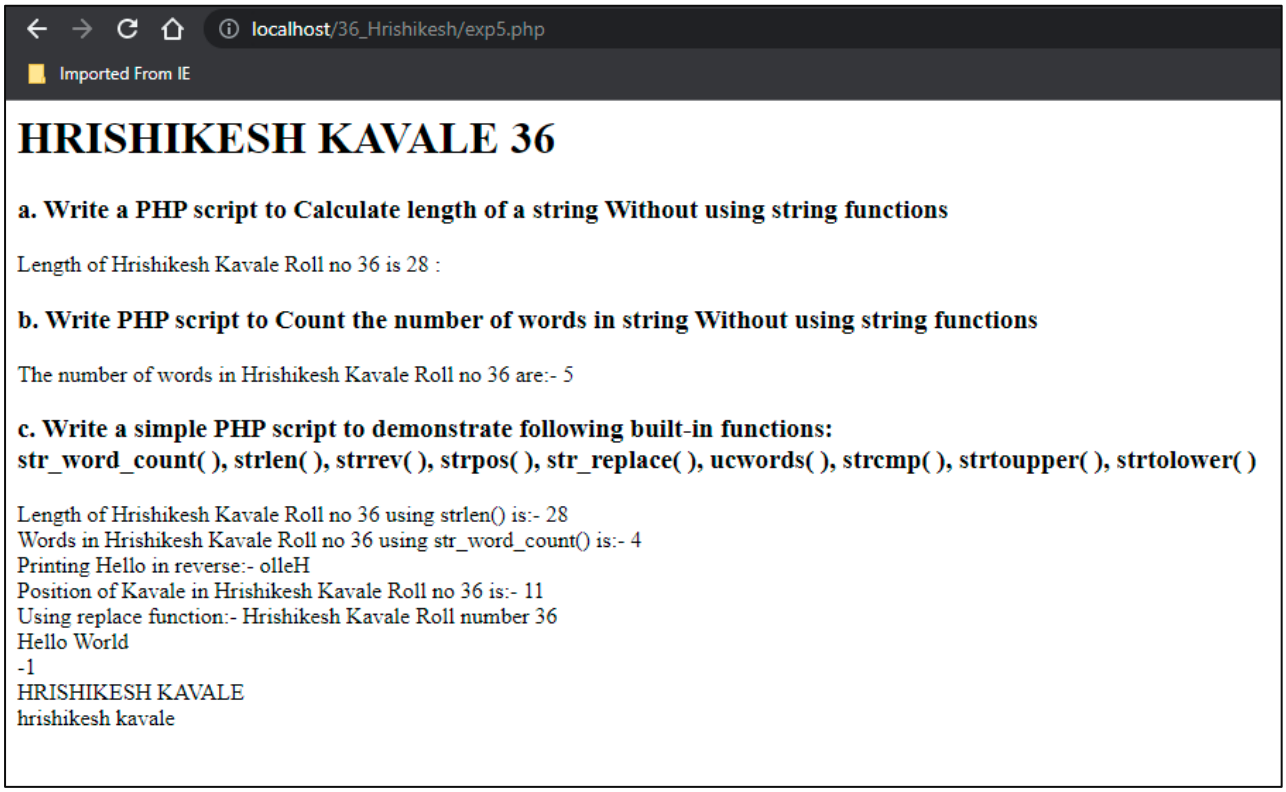
Code:-

```
<?php
    echo "<h1>HRISHIKESH KAVALE 36</h1>";
    echo "<h3>a. Write a PHP script to Calculate length of a string Without using string functions </h3>";
  $string = "Hrishikesh Kavale Roll no 36";

  $string_length = 0;
  while(@$string[$string_length] != null){
     $string_length++;
  }

  echo "Length of $string is $string_length : ";
    echo "<h3>b. Write PHP script to Count the number of words in string Without using string functions </h3>";
    $words = explode(" ", $string);
    echo "The number of words in $string are:- ".count($words);
    echo "<h3>c. Write a simple PHP script to demonstrate following built-in functions:<br>
    str_word_count( ), strlen( ), strrev( ), strpos( ), str_replace( ), ucwords( ),
    strcmp( ), strtoupper( ), strtolower( ) </h3>";
    echo "Length of $string using strlen() is:- ".strlen($string);
    echo "<br>Words in $string using str_word_count() is:- ".str_word_count($string);
    echo "<br>Printing Hello in reverse:- ".strrev("Hello");
    echo "<br>Position of Kavale in $string is:- ".strpos($string,"Kavale");
    echo "<br>Using replace function:- ".str_replace("no","number",$string);
    echo "<br>".ucwords("hello world");
    echo "<br>".strcmp("Hello","Hello1");
    echo "<br>".strtoupper("hrishikesh kavale");
    echo "<br>".strtolower("HRISHIKEsH Kavale");

?>
```

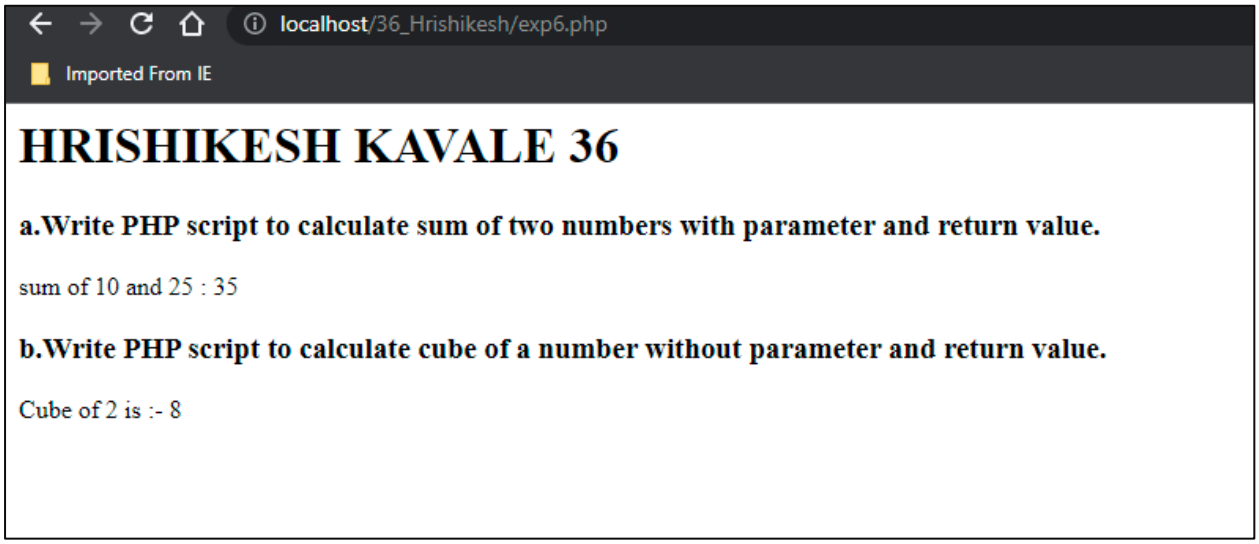
Output:-


localhost/36_Hrishikesh/exp5.php
Imported From IE
HRISHIKESH KAVALE 36
a. Write a PHP script to Calculate length of a string Without using string functions
Length of Hrishikesh Kavale Roll no 36 is 28 :
b. Write PHP script to Count the number of words in string Without using string functions
The number of words in Hrishikesh Kavale Roll no 36 are:- 5
c. Write a simple PHP script to demonstrate following built-in functions:
str_word_count( ), strlen( ), strrev( ), strpos( ), str_replace( ), ucwords( ), strcmp( ), strtoupper( ), strtolower( )
Length of Hrishikesh Kavale Roll no 36 using strlen() is:- 28
Words in Hrishikesh Kavale Roll no 36 using str_word_count() is:- 4
Printing Hello in reverse:- olleH
Position of Kavale in Hrishikesh Kavale Roll no 36 is:- 11
Using replace function:- Hrishikesh Kavale Roll number 36
Hello World
-1
HRISHIKESH KAVALE
hrishikesh kavale

Code:-

```
<?php
        echo "<h1>HRISHIKESH KAVALE 36</h1>";
        echo "<h3>a.Write PHP script to calculate sum of two numbers with parameter and return value. </h3>";
        function addTwoNumbers(int $x, int $y)
{
   return $x + $y;
}



echo " sum of 10 and 25 : " . addTwoNumbers(10, 25);


echo "<h3>b.Write PHP script to calculate cube of a number without parameter and return value. </h3>";
function cube()
{
        $num = 2;
        echo "Cube of $num is :- ".$num**$num*$num;
}
cube();


?>
```

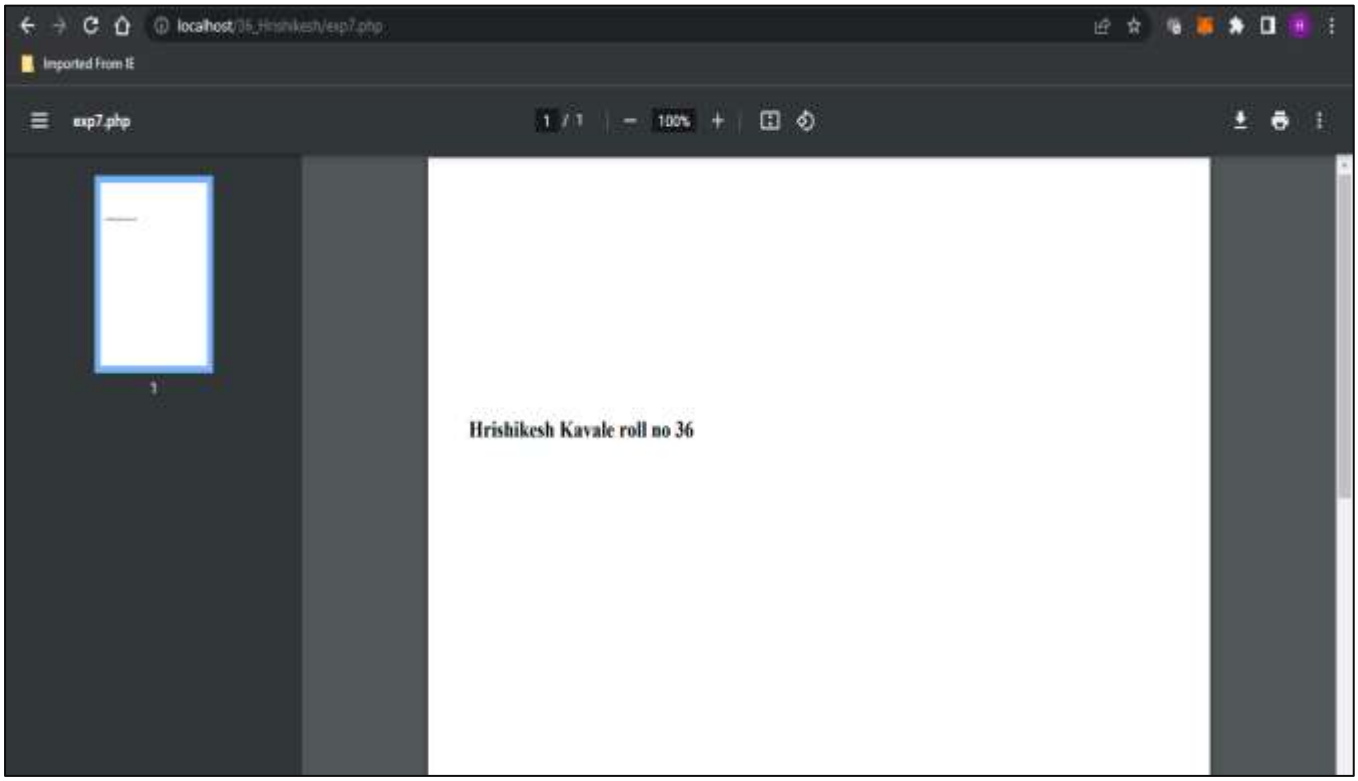
Output:-


localhost/36_Hrishikesh/exp6.php
Imported From IE
HRISHIKESH KAVALE 36
a.Write PHP script to calculate sum of two numbers with parameter and return value.
sum of 10 and 25 : 35
b.Write PHP script to calculate cube of a number without parameter and return value.
Cube of 2 is :- 8

Code:-

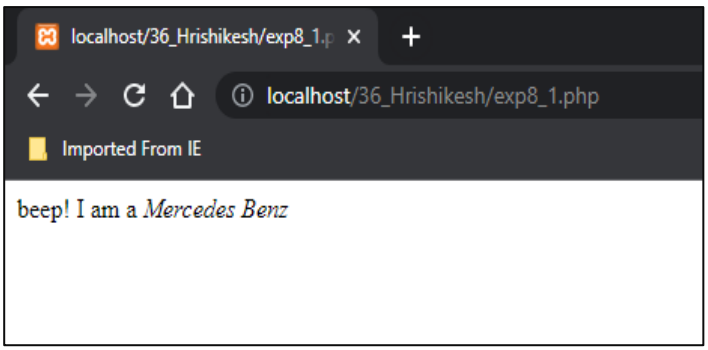
```
<?php
require('C:/xampp/php/pear/fpdf/fpdf.php');
$pdf=new fpdf();
$pdf->addpage();
$pdf->setfont("Times","B",14);
$pdf->cell(100,100,"Hrishikesh Kavale roll no 36");
$pdf->output();
?>
```

Output:-



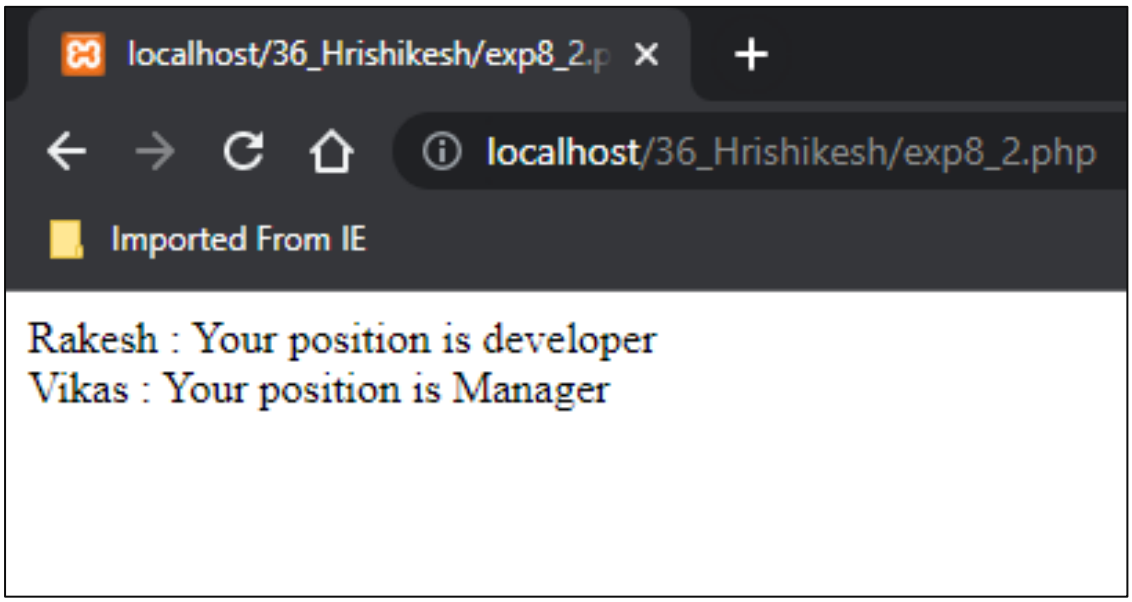
Experiment 8 –A

```
<?php
// The parent class
class Car {
//The $model property is now protected, so it can be accessed
// from within the class and its child classes
protected $model;
//Public setter method
public function setModel($model)
{
$this -> model = $model;
}
}
// The child class
class SportsCar extends Car {
//Has no problem to get a protected property that belongs to the parent
public function hello()
{
return "beep! I am a <i>" . $this -> model . "</i><br />";
}
}
//Create an instance from the child class
$sportsCar1 = new SportsCar();
//Set the class model name
$sportsCar1 -> setModel('Mercedes Benz');
//Get the class model name
echo $sportsCar1 -> hello();
?>
```



Experiment 8-B

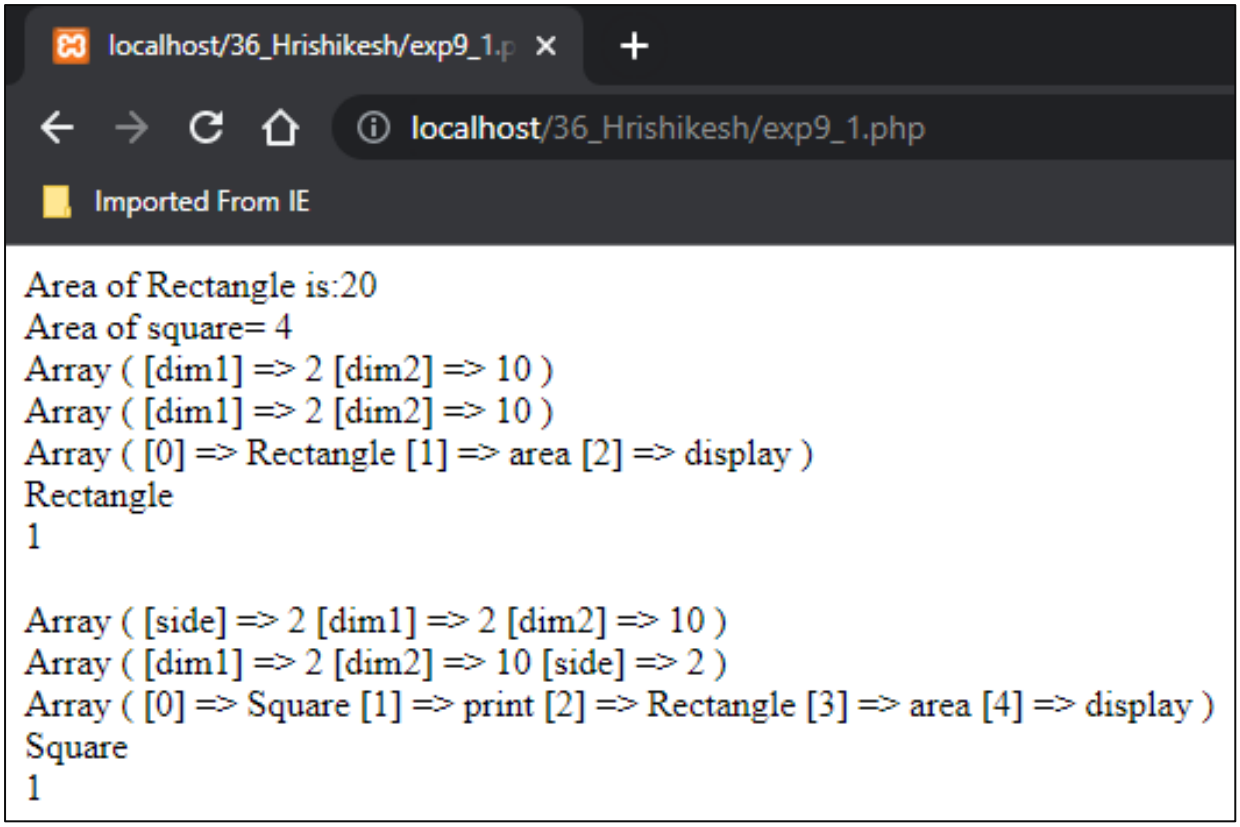
```
<?php
class Employee
{
public $name;
public $position;

function __construct($name,$position)
{
// This is initializing the class properties
$this->name=$name;
$this->position=$position;
}
function show_details()
{
echo $this->name." : ";
echo "Your position is ".$this->position."\n";
}
}
$employee_obj= new Employee("Rakesh","developer");
$employee_obj->show_details();
echo "<br>";
$employee2= new Employee("Vikas","Manager");
$employee2->show_details();
?>
```



Experiment 9- A

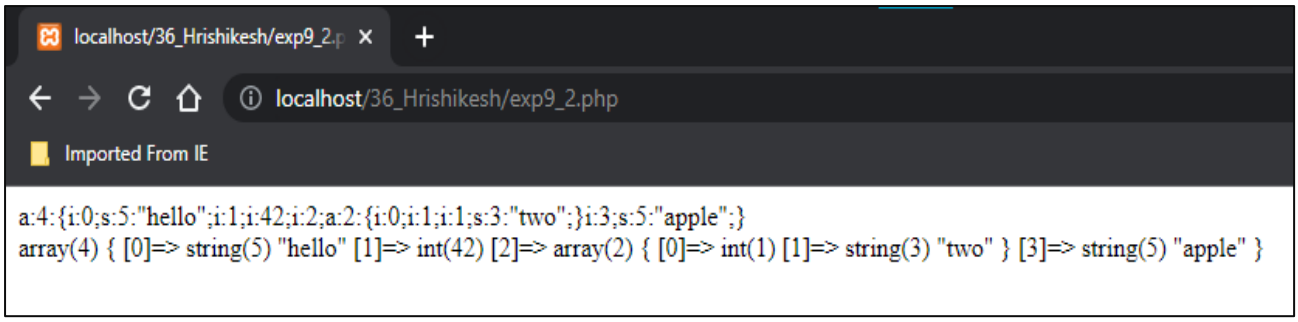
```
<?php
class Rectangle
{
public $dim1 = 2;
public $dim2 = 10;
function Rectangle($dim1,$dim2)
{
$this->dim1 = $dim1;
$this->dim2 = $dim2;
}
function area()
{
return $this->dim1*$this->dim2;
}
function display()
{
echo "Area of Rectangle is:".$this->area()."<br>";
}
}
class Square extends Rectangle
{
public $side = 2;
function Square($side)
{
$this->side = $side;
}
function print()
{
$area = $this->side*$this->side;
echo "Area of square= $area <br>";
}
}
$r = new Rectangle(4,2);
$r->display();
$r->area();
$s = new Square(5);
$s->print();
$s->area();
//get the class varibale i.e properties
$class_properties = get_class_vars("Rectangle");
//get object properties
$object_properties = get_object_vars($r);
//get class methods
$class_methods = get_class_methods("Rectangle");
//get class corresponding to an object
$object_class = get_class($r);
```

```
$class_exist = class_exists("Rectangle");

$parent = get_parent_class("Rectangle");

print_r($class_properties);

echo "<br>";

print_r($object_properties);

echo "<br>";

print_r($class_methods);

echo "<br>";

print_r($object_class);

echo "<br>";

print_r($class_exist);

echo "<br>";

print_r($parent);

echo "<br>";

//get the class varibale i.e properties

$class_properties2 = get_class_vars("Square");

//get object properties

$object_properties2 = get_object_vars($s);

//get class methods

$class_methods2 = get_class_methods("Square");

//get class corresponding to an object

$object_class2 = get_class($s);

$class_exist2 = class_exists("Square");

//$class_name = get_declared_classes();

//$parent2 = get_parent_class("Square");

print_r($class_properties2);

echo "<br>";

print_r($object_properties2);

echo "<br>";

print_r($class_methods2);

echo "<br>";

print_r($object_class2);

echo "<br>";

print_r($class_exist2);

echo "<br>";

//print_r($class_name);

echo "<br>";

//print_r($parent2);

echo "<br>";

?>
```


localhost/36_Hrishikesh/exp9_1.p
localhost/36_Hrishikesh/exp9_1.php
Imported From IE
Area of Rectangle is:20
Area of square= 4
Array ([dim1] => 2 [dim2] => 10)
Array ([dim1] => 2 [dim2] => 10)
Array ([0] => Rectangle [1] => area [2] => display)
Rectangle
1
Array ([side] => 2 [dim1] => 2 [dim2] => 10)
Array ([dim1] => 2 [dim2] => 10 [side] => 2)
Array ([0] => Square [1] => print [2] => Rectangle [3] => area [4] => display)
Square
1

Experiment 9-B

```
<?php
$data = serialize(array('hello',42,array(1, 'two'),'apple'));
echo $data . "<br>";
$test = unserialize($data);
echo var_dump($test);
//foreach($test as $value)
//echo $value." ";
?>
```



Experiment 10

Html

```
<form action="exp10.php" method="post">
 <fieldset>
 <table align="center">
 <legend> Enter Details </legend>
 <tr>
 <td> Name: </td>
 <td> <input type="text" name="name"></td>
 </tr>
 <tr>
 <td> Gender:</td>
 <td> <input type="radio" name="year" value="First"> First Year
 <input type="radio" name="year" value="Second"> Second Year
 <input type="radio" name="year" value="Third"> Third Year</td>
 </tr>
 <tr>
 <td>Languages:</td>
 <td><input type="checkbox" name="branch[]" value="CO"> CO
 <input type="checkbox" name="branch[]" value="ME"> ME
 <input type="checkbox" name="branch[]" value="CE"> CE
 <input type="checkbox" name="branch[]" value="IT">IT
 <input type="checkbox" name="branch[]" value="EJ">EJ</td>
 </tr>
 <tr>
 <td align="center" colspan="2"> <input type=submit name="submit">
</td>
 </tr>
 </table>
 </fieldset>
</form>
```

Php:

```
<?php
 $name = $_REQUEST["name"];
 $year = $_REQUEST["year"];
 $branch = $_REQUEST["branch"];
 echo "Name is <b> $name </b> <br>";
 echo "Year is <b> $year </b> <br>";
 echo "Branch is ";
 foreach($branch as $i) echo "<b> $i </b>";?>
```

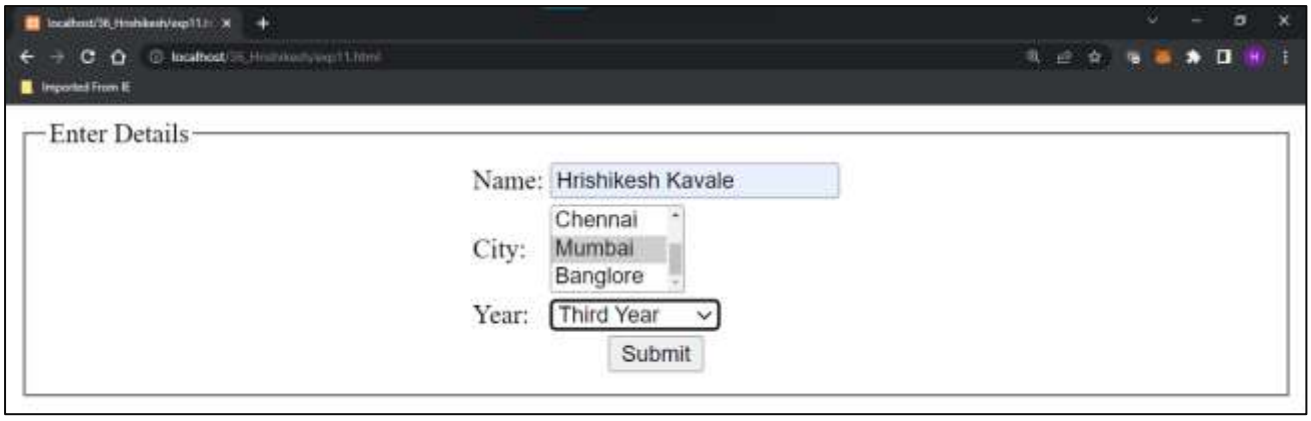
Experiment 11

Html:

```
<form action="exp11.php" method="post">
 <fieldset>
 <table align="center">
 <legend> Enter Details </legend>
 <input type="hidden" name="exp_no" id="exp" value="11.1"/>
 <tr>
 <td> Name: </td>
 <td> <input type="text" name="name"></td>
 </tr>
 <tr>
 <td>City:</td>
 <td><select name="city" size = "3">
 <option value="Hyderabad"> Hyderabad </option>
 <option value="Delhi"> Delhi </option>
 <option value="Chennai"> Chennai </option>
 <option value="Mumbai"> Mumbai </option>
 <option value="Banglore"> Banglore </option>
 </select></td>
 </tr>
 <tr>
 <td>Year:</td>
 <td><select name="year" size = "1">
<option> Select a year </option>
 <option value="First"> First Year </option>
 <option value="Second"> Second Year </option>
 <option value="Third"> Third Year </option>
 </select></td>
 </tr>
 <tr>
 <td align="center" colspan="2"> <input type=submit name="submit">
</td>
 </tr>
 </table>
 </fieldset>
</form>
```

PHP:

```
<?php
 $name = $_POST["name"];
 $city = $_POST["city"];
 $year = $_POST["year"];
 $exp_no = $_POST["exp_no"];
 echo "Experiment <b>$exp_no</b><br/>";
 echo "Name is <b> $name </b> <br/>";
 echo "City is <b> $city </b> <br/>";
 echo "Year is <b> $year </b>";
?>
```



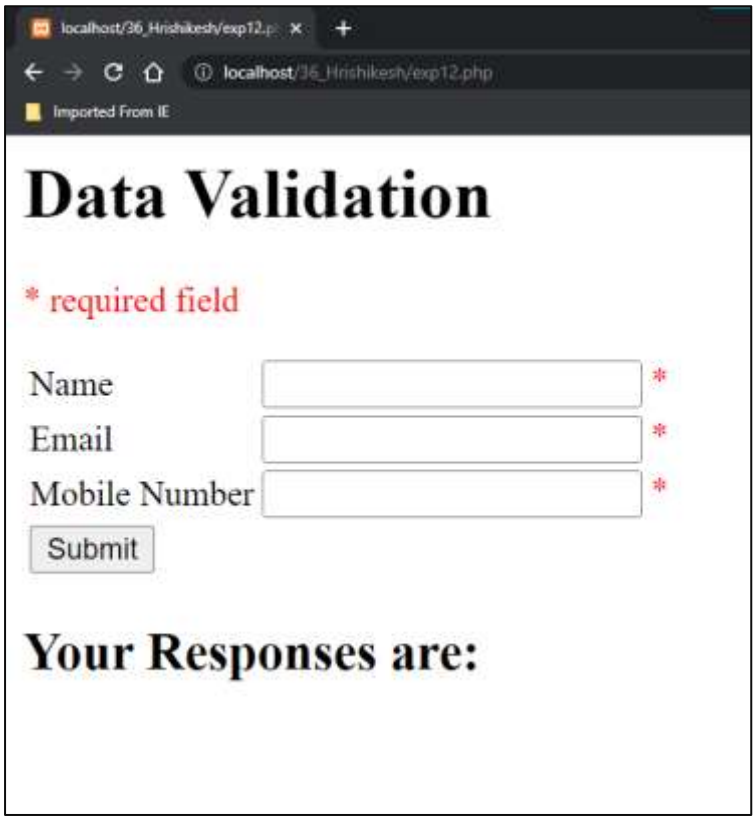
Experiment 12

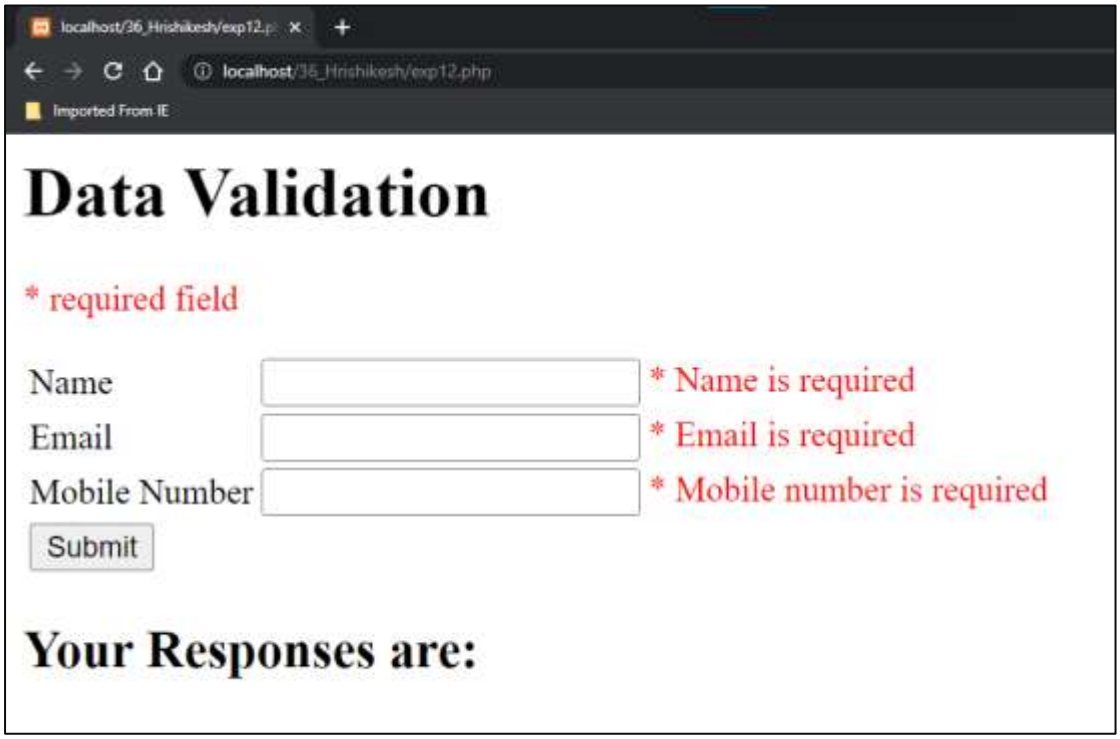
```
<html>
<head>
<style>
.error {color:red;}
</style>
</head>
<body>
<?php
$nameError=$emailError=$mobileError="";
$name=$email=$mobileno="";
if($_SERVER["REQUEST_METHOD"]=="POST")
{
if(empty($_POST['name']))
$nameError="Name is required";
else
{
$name = test_input($_POST['name']);
if(!preg_match('/^[a-zA-Z ]*$/',$name))
$nameError= "Only letters and whitespace allowed";

}
if(empty($_POST['email']))
$emailError="Email is required";
else
{
$email = test_input($_POST["email"]);
// check if e-mail address is well-formed
if(!filter_var($email, FILTER_VALIDATE_EMAIL))
{
$emailError= "Invalid email format";
}
}
if (empty($_POST['mobileno']))
{
$mobileError="Mobile number is required";
}
else
{
$mobileno = test_input($_POST['mobileno']);
// check if mobileno contains only 10 digits
if (!preg_match('/^[0-9]{10}$/', $mobileno))
{
```

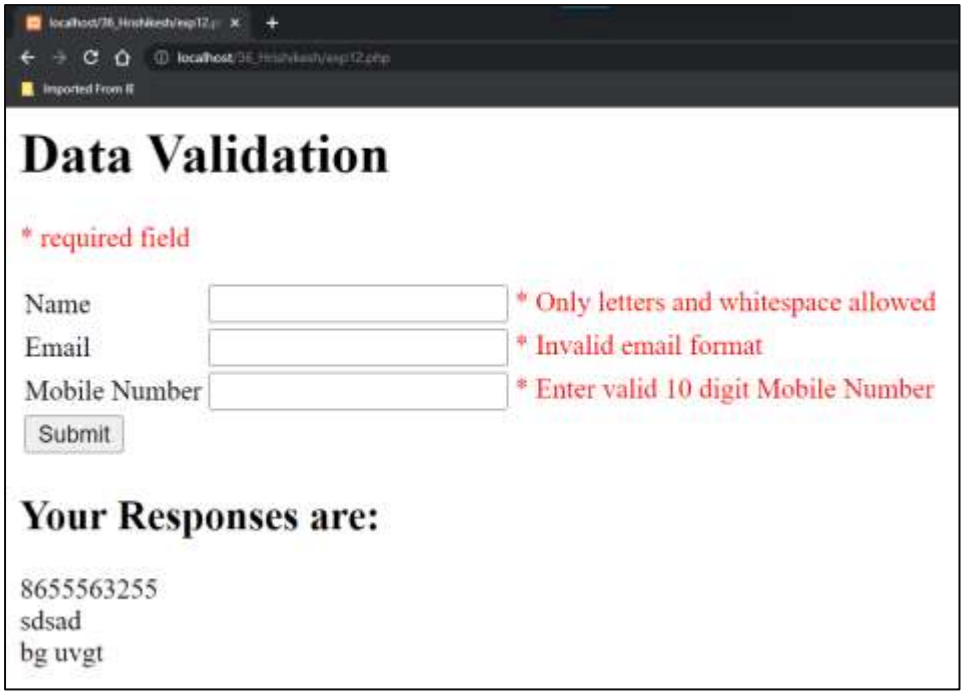
```
$mobileError= "Enter valid 10 digit Mobile Number";
}
}
}
function test_input($data)
{
$data = trim($data);
$data = stripslashes($data);
$data = htmlspecialchars($data);
return $data;
}
?>
<h1>Data Validation</h1>
<p><span class="error">* required field</span></p>
<form action=exp12.php method=POST>
<table>
<tr>
<td>Name</td>
<td> <input type="text" name="name">
<span class="error">* <?php echo $nameError; ?></span>
</td>
</tr>
<tr>
<td>Email</td>
<td><input type="text" name="email">
<span class="error">* <?php echo $emailError; ?></span>
</td>
</tr>
<tr>
<td>Mobile Number</td>
<td><input type="text" name="mobileno">
<span class="error">* <?php echo $mobileError; ?></span>
</td>
</tr>
<tr>
<td>
<input type="submit" name="submit" value="Submit"><br>
</td>
</tr>
</table>
</form>
<?php
echo "<h2>Your Responses are:</h2>";
echo $name."<br>";
```

```
echo $email."<br>";
echo $mobileno."<br>";
?>
```

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







Data Validation

* required field

Name * Only letters and whitespace allowed

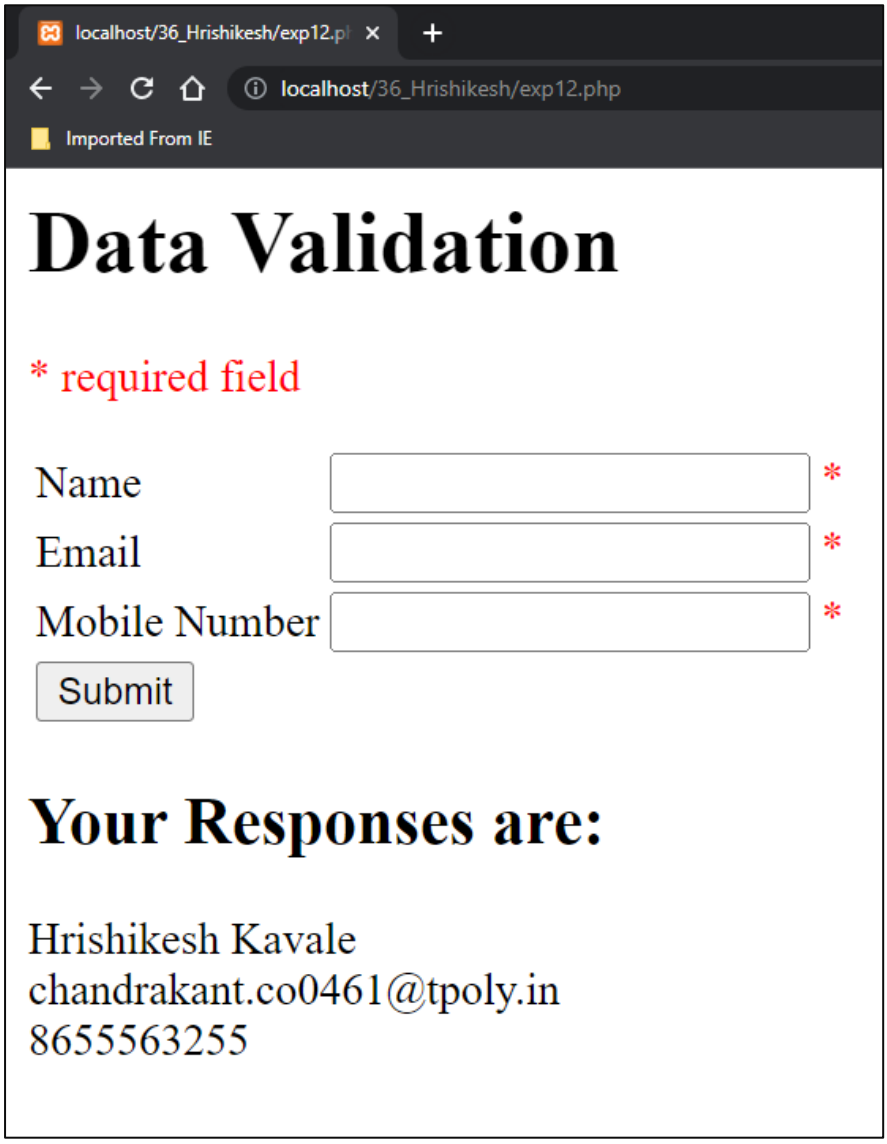
Email * Invalid email format

Mobile Number * Enter valid 10 digit Mobile Number

Submit

Your Responses are:

8655563255
sdsad
bg uvgt



localhost/36_Hrishikesh/exp12.pl

localhost/36_Hrishikesh/exp12.php

Imported From IE

Data Validation

* required field

Name *

Email *

Mobile Number *

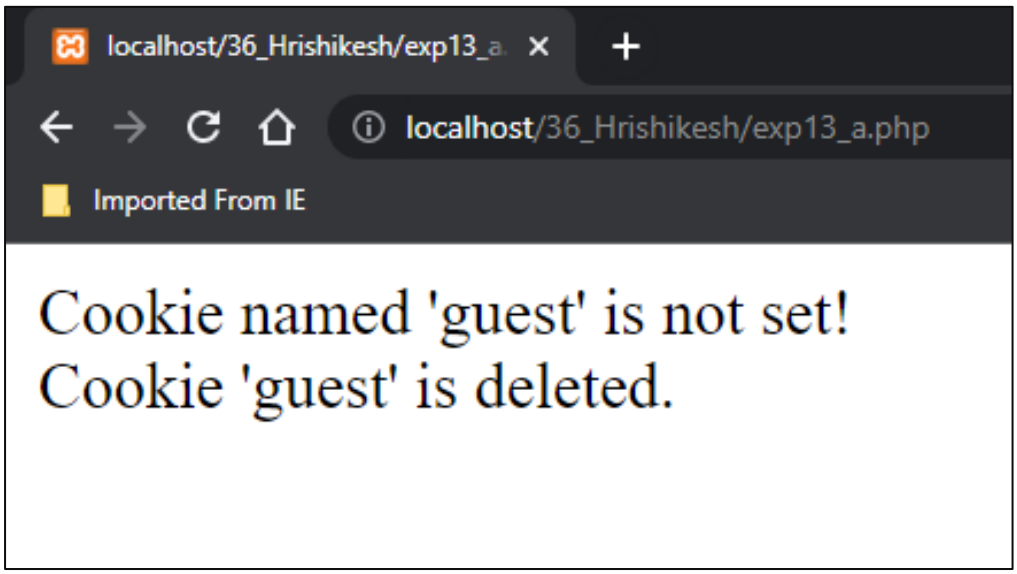
Submit

Your Responses are:

Hrishikesh Kavale
chandrakant.co0461@tpoly.in
8655563255

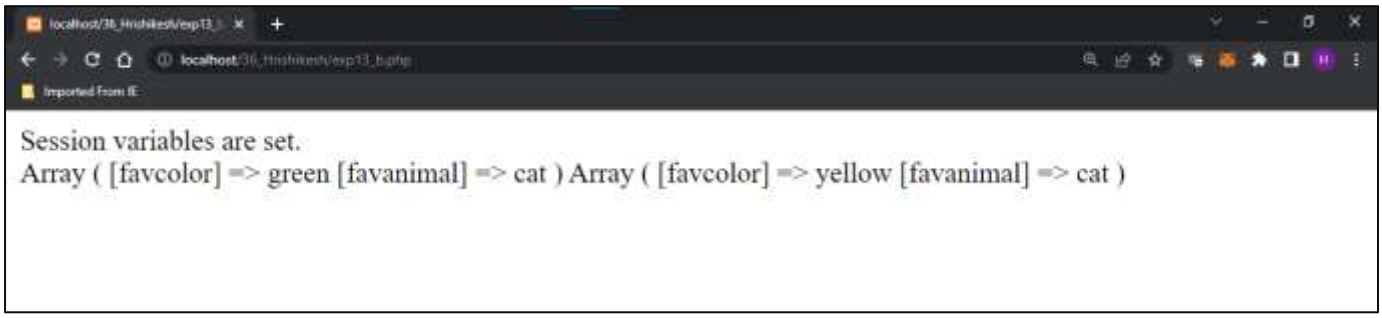
Experiment 13-A

```
<?php
//setting cookie
$cookie_name="PHP";
$cookie_value="Cookie Practical";
setcookie($cookie_name,$cookie_value,time()+86400,"/","",1,1);
if (isset($_COOKIE[$cookie_name]))
echo $_COOKIE[$cookie_name]."<br>";
//modifying cookie
$cookie_name="guest";
$cookie_value="Alex Porter";
setcookie($cookie_name,$cookie_value,time()+86400,"/","",1,1);
if(!isset($_COOKIE[$cookie_name]))
{
echo "Cookie named '" . $cookie_name . "' is not set!<br>";
}
else
{
echo "Cookie '" . $cookie_name . "' is set!<br>";
echo "Value is: " . $_COOKIE[$cookie_name]."<br>";
}
//deleting cookie
setcookie($cookie_name, $cookie_value, time()-3600,"/","",1,1);
echo "Cookie '" . $cookie_name . "' is deleted.<br>";
?>
```



Experiment 13-B

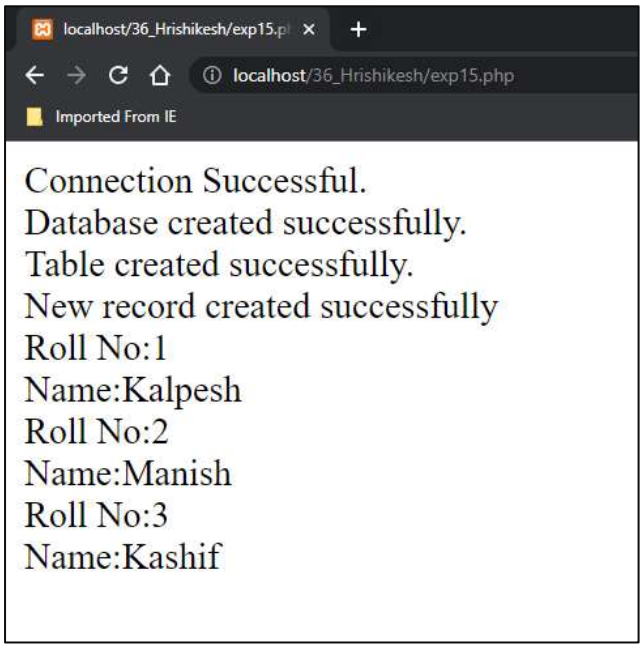
```
<?php
// Start the session
session_start();
?>
<!DOCTYPE html>
<html>
<body>
<?php
// Set session variables
$_SESSION["favcolor"] = "green";
$_SESSION["favanimal"] = "cat";
echo "Session variables are set.<br>";
// Echo session variables that were set previously
print_r($_SESSION);
// to change a session variable, just overwrite it
$_SESSION["favcolor"] = "yellow";
print_r($_SESSION);
// remove all session variables
session_unset();
// destroy the session
session_destroy();
?>

</body>
</html>
```



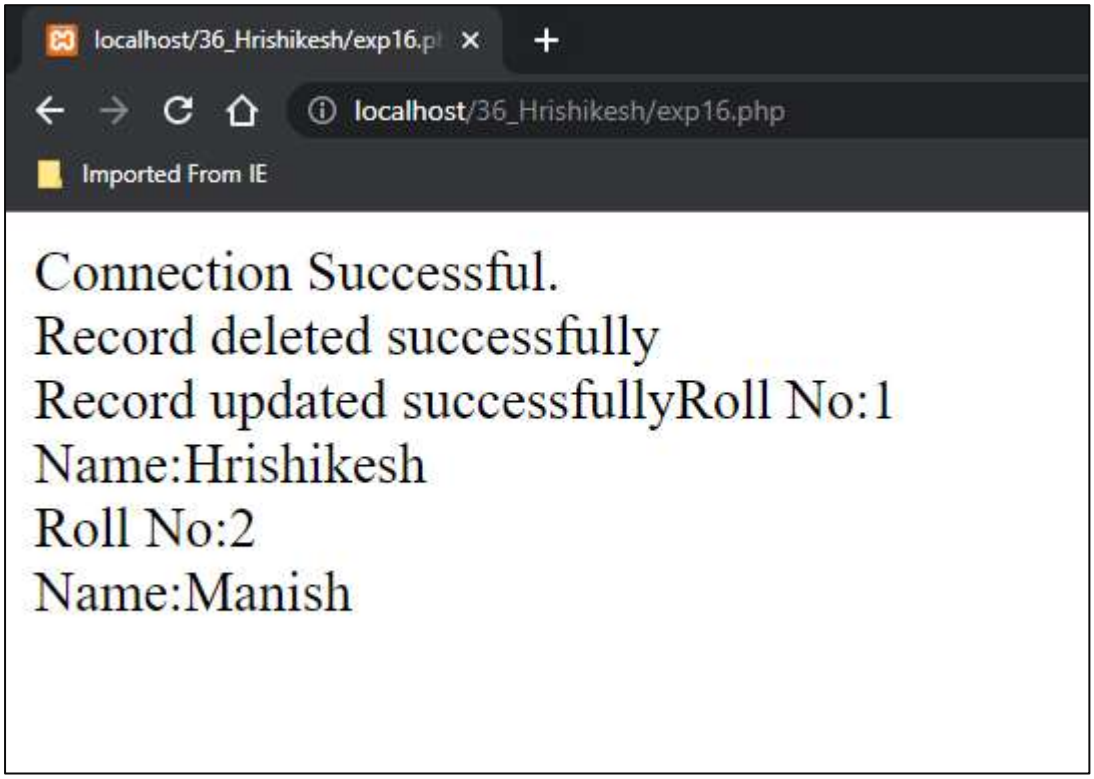
Experiment 15

```
<?php
//Create Connection
$conn=mysqli_connect("localhost","root");
if($conn)
echo "Connection Successful.<br>";
else
die("Error in connection".mysqli_connect_error());
//Create Database
if(mysqli_query($conn,"CREATE DATABASE kk12345"))
echo "Database created successfully.<br>";
else
echo "Could not create database".mysqli_error($conn);
mysqli_select_db($conn,"kk12345");
//Create Table
$query="CREATE TABLE k888(rollno int(4),name varchar(20))";
if(mysqli_query($conn,$query))
echo "Table created successfully.<br>";
else
echo "Error in table creation".mysqli_error($conn);
//Insert into Table
$query="INSERT INTO k888(rollno,name)
VALUES(1,'Kalpesh'),(2,'Manish'),(3,'Kashif')";
if (mysqli_multi_query($conn, $query))
echo "New record created successfully<br>";
else
```

```
echo "Error: " . $query . "<br>" . mysqli_error($conn);
//Select & Display Data from table
$query="SELECT * from k888";
$result=mysqli_query($conn,$query);
//echo "<br>" . mysqli_error($conn);
if(mysqli_num_rows($result) > 0)
{
while($row=mysqli_fetch_assoc($result))
{
echo "Roll No:".$row['rollno']. "<br> Name:".$row['name']."<br>";
}
}
else
echo "Zero records.";
//Close Connection
mysqli_close($conn);
?>
```



Experiment 16

```
<?php
//Create Connection
$conn=mysqli_connect("localhost","root");
if($conn)
echo "Connection Successful.<br>";
else
die("Error in connection".mysqli_connect_error());
mysqli_select_db($conn,"kk12345");
$sql = "DELETE FROM k888 WHERE rollno=3";
if (mysqli_query($conn, $sql))
{
echo "Record deleted successfully<br>";
}
else
{
echo "Error deleting record:".mysqli_error($conn);
}

$sql = "UPDATE k888 SET name='Hrishikesh' WHERE rollno=1";
if (mysqli_query($conn, $sql)) {
echo "Record updated successfully";
} else {
echo "Error updating record: " . mysqli_error($conn);
}
//Select & Display Data from table
```

```
$query="SELECT * from k888";
$result=mysqli_query($conn,$query);
if(mysqli_num_rows($result) > 0)
{
while($row=mysqli_fetch_assoc($result))
{
echo "Roll No:".$row['rollno']. "<br> Name:".$row['name']."<br>";
}
}
else
echo "Zero records.";
//Close Connection
mysqli_close($conn);
?>
```