

## INDEX

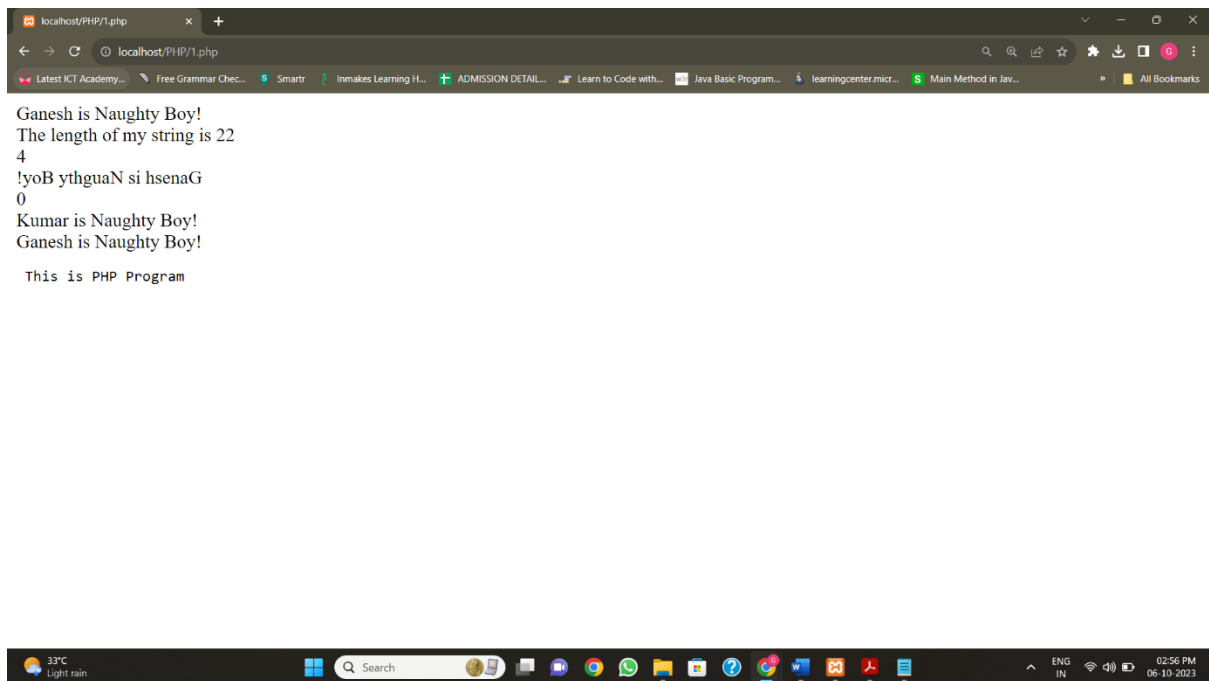
EX. NO	DATE	CONTENTS	PAGE NO	SIGNATURE
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**1. STRING HANDLING**

**Program:**

```
<?php
$name="Ganesh is Naughty Boy!";
echo $name;
echo "<br>";
echo "The length of"." my string is ".strlen($name);
echo"<br>";
echo str_word_count($name);
echo"<br>";
echo stripslashes($name);
echo"<br>";
echo strpos($name,"Ganesh");
echo"<br>";
echo str_replace("Ganesh","Kumar",$name);
echo"<br>";
echo str_repeat($name,1);
echo"<br>";
echo rtrim("<pre> This is PHP Program    ");
echo "</pre>";
?>
```

## Output:



## **2. ASSOCIATIVE ARRAY**

**Program:**

```
<?php
echo "welcome to assosiative arrays in php";

$arr =array('Hello','Welcome','To PHP');

echo "<br>";

echo $arr[0];

echo "<br>";

echo $arr[1];

echo "<br>";

echo $arr[2];

echo "<br>";

$favCol=array('Ganesh'=>'Red','Haresh'=>'Blue','Rahul'=>'Green');

foreach ($favCol as $key=>$value) {

echo"<br>Favourite color of $key is $value";

}

echo $favCol['Ganesh'];

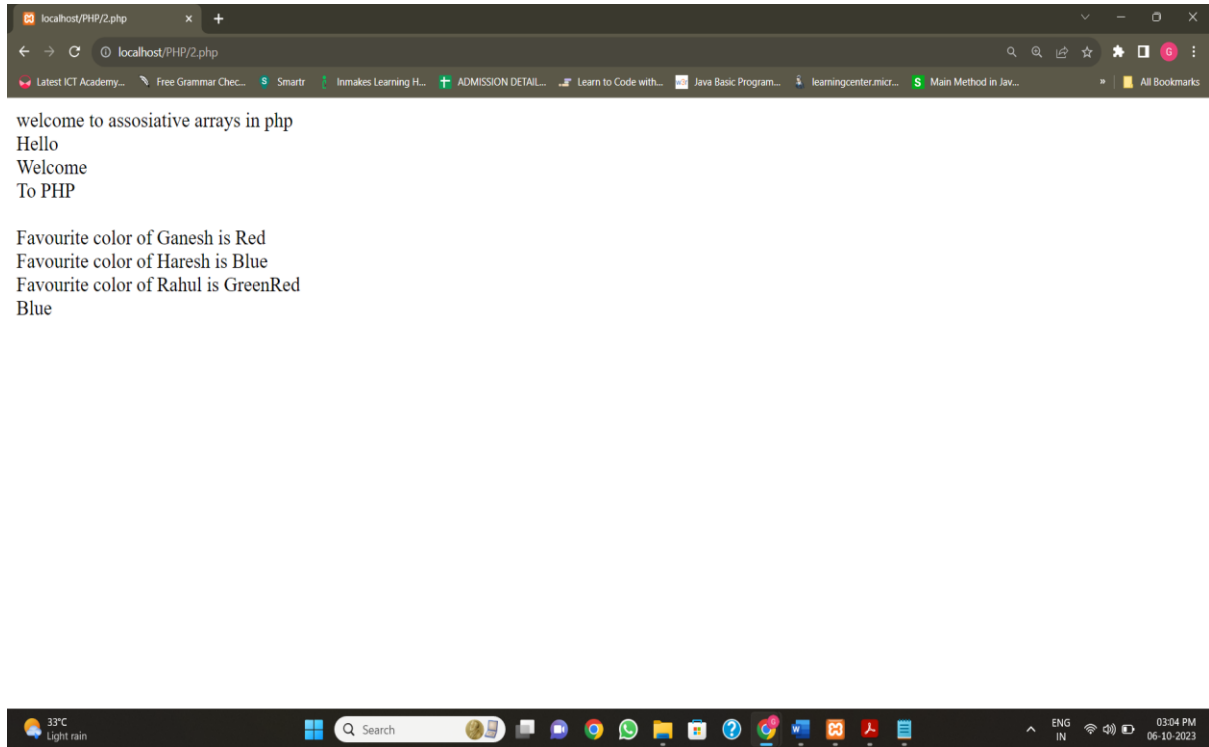
echo "<br>";

echo $favCol['Haresh'];

echo "<br>";

?>
```

## Output:



### **3. VARIOUS FUNCTIONS**



## Program:

```
<?php
function add($x,$y)
{
    $sum=$x+$y;
    echo "Sum = $sum <br><br><br>";
}

function sub($x,$y)
{
    $sub=$x-$y;
    echo "Subtraction using Function with return Value <br><br>";
    return $sub;
}

function mul(&$x,$y)
{
    $x=$x*$y;
    echo "Multiplication using Call by reference <br><br>";
}

function div($dividend, $divisor){
    echo "<b>Division using return array function</b> <br><br>";
    $quotient = intdiv($dividend, $divisor);
    $remainder = $dividend % $divisor;
    $array = array($quotient, $remainder);
    return $array;
}

if(isset($_POST['add']))
{
    add($_POST['first'],$_POST['second']);
}
```

```

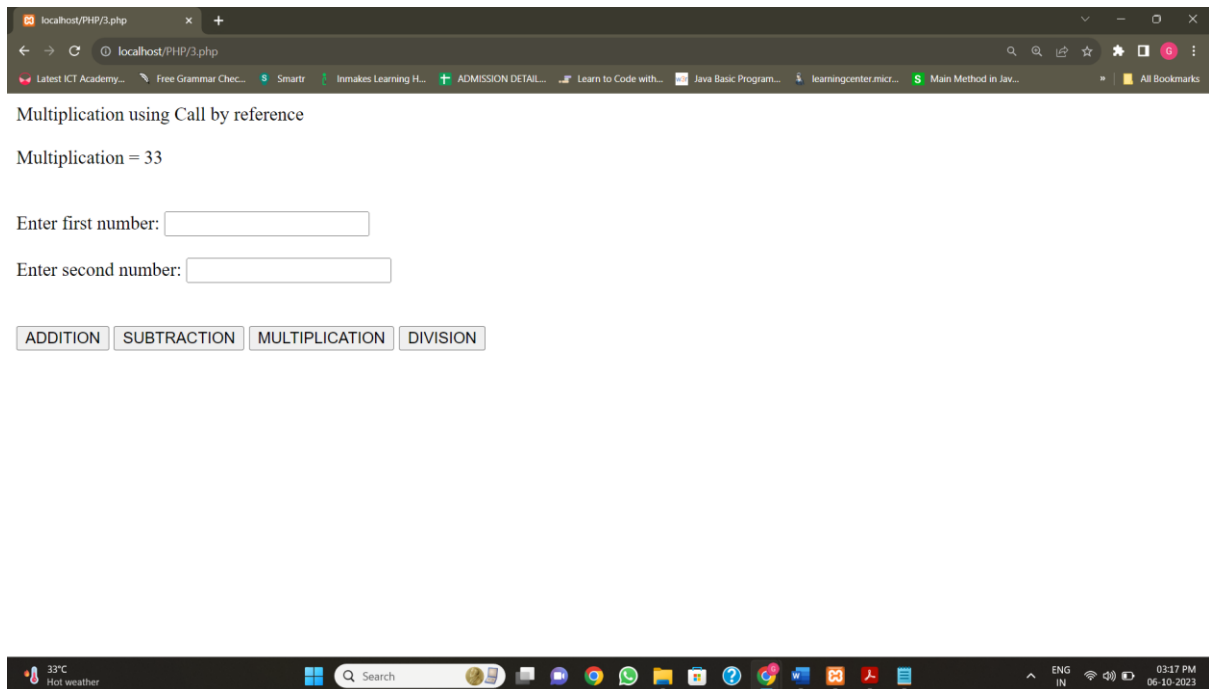
if(isset($_POST['sub']))
{
    $ans=sub($_POST['first'],$_POST['second']);
    echo "Diff = $ans <br><br><br>";
}

if(isset($_POST['mul']))
{
    $ans = $_POST['first'];
    mul($ans,$_POST['second']);
    echo "Multiplication = $ans <br><br><br>";
}

if(isset($_POST['div']))
{
    list($quotient, $remainder) = div($_POST['first'],$_POST['second']);
    echo "<br> Division: <br>";
    echo "<br> Quotient: " . $quotient;
    echo "<br> Reminder: " . $remainder. "<br><br><br>";
}
?>
<form method="post">
    Enter first number: <input type="number" name="first" required /><br><br>
    Enter second number: <input type="number" name="second" required /><br><br><br>
    <input type="submit" name="add" value="ADDITION"/>
    <input type="submit" name="sub" value="SUBTRACTION"/>
    <input type="submit" name="mul" value="MULTIPLICATION"/>
    <input type="submit" name="div" value="DIVISION"/>
</form>

```

## Output:



## 4. READ FROM DATA

## Program:

### Index.php

```
<?php

session_start();

IF(isset($_POST['submit']))

{

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

    $_SESSION['rno']=$_POST['rno'];

    $_SESSION['class']=$_POST['class'];

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

    header('Location:view.php');

}

?>

<HTML>

<form action="" method="POST">

    <center>

        <h2>Student Details</h2>

        <label>Name:</label>

        <input type="text" id="name" name="name"><br><br>

        <label >Roll NO:</label>

        <input type="text" id="rno" name="rno"><br><br>

        <label >Class:</label>

        <input type="radio" id="class" name="class" value="MCA">MCA

        <input type="radio" id="class" name="class" value="MSC">MSC

        <input type="radio" id="class" name="class" value="MA">MA<br><br>

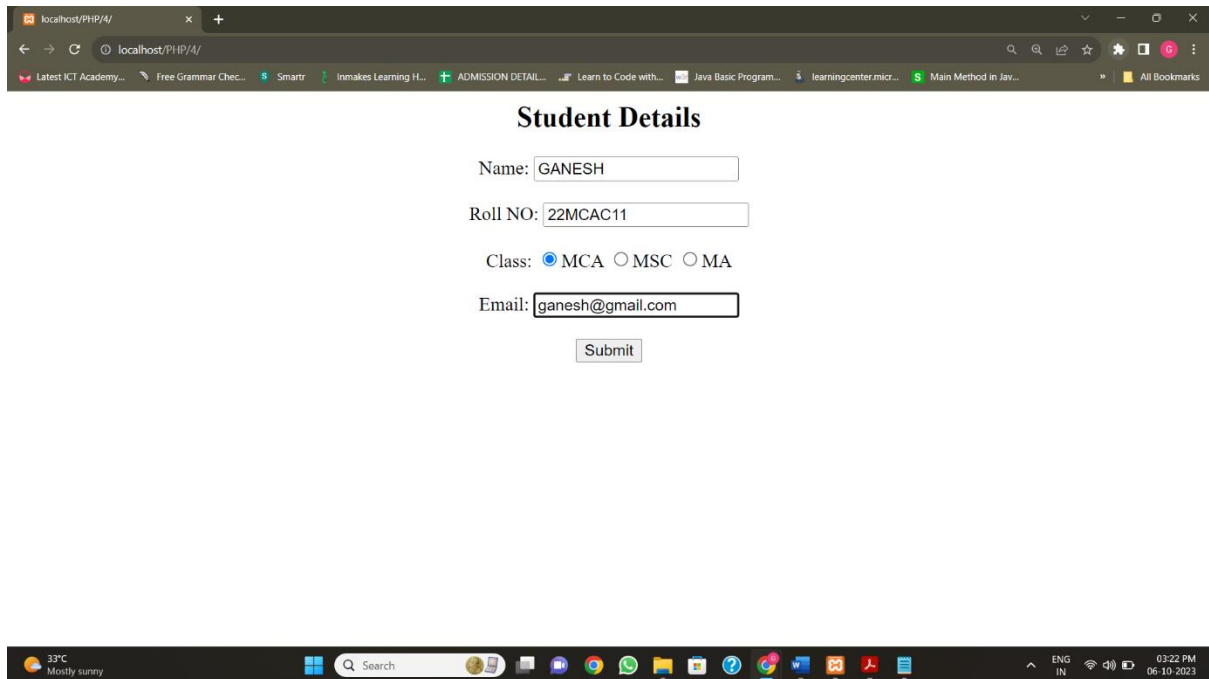
        <label>Email:</label>
```

```
<input type="email" id="email" name="email" ><br><br>
<input type="submit" id="submit" name="submit" value="Submit">
</center>
</form>
```

### **View.php:**

```
<?php
session_start();
echo "Name:".$_SESSION['name'];
echo "<br>";
echo "Roll No:".$_SESSION['rno'];
echo "<br>";
echo "Class:".$_SESSION['class'];
echo "<br>";
echo "Email:".$_SESSION['email'];
echo "<br>";
?>
```

## Output:



localhost/PHP/4/

localhost/PHP/4/

Latest ICT Academy... Free Grammar Chec... Smartz Inmakes Learning H... ADMISSION DETAIL... Learn to Code with... Java Basic Program... learningcenter.micr... Main Method in Jav...

### Student Details

Name:

Roll NO:

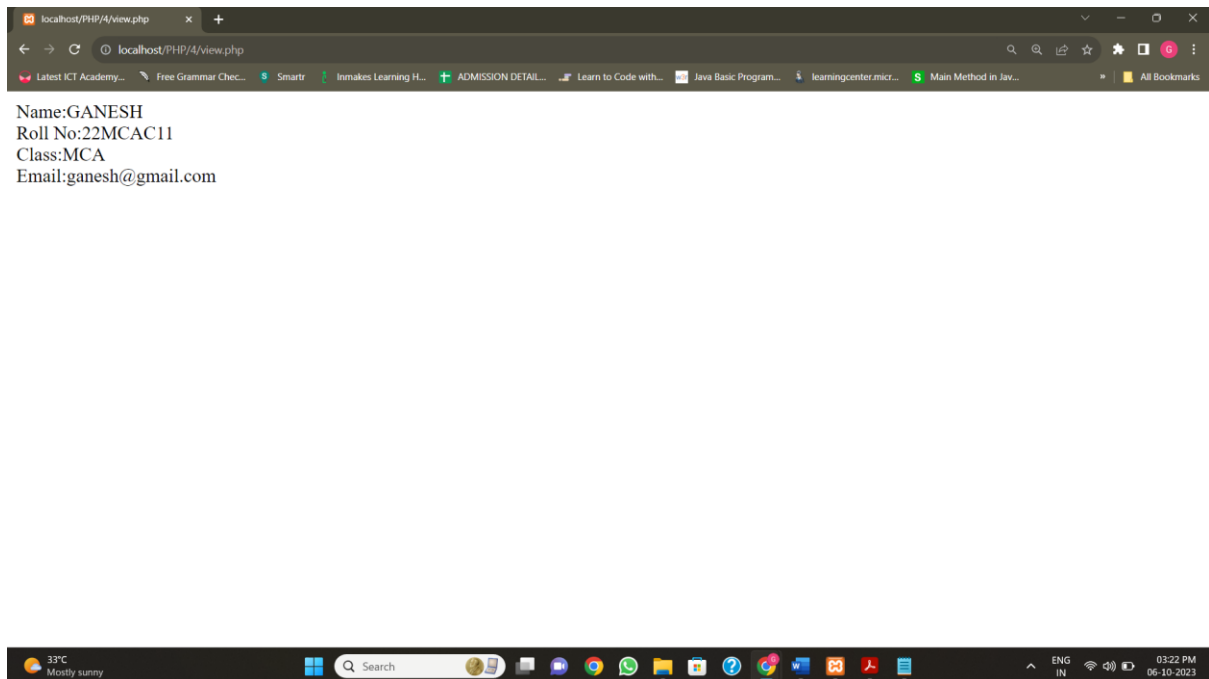
Class: ☒ MCA ☐ MSC ☐ MA

Email:

33°C Mostly sunny

Search

ENG IN 03:22 PM 06-10-2023



localhost/PHP/4/view.php

localhost/PHP/4/view.php

Latest ICT Academy... Free Grammar Chec... Smartz Inmakes Learning H... ADMISSION DETAIL... Learn to Code with... Java Basic Program... learningcenter.micr... Main Method in Jav...

Name:GANESH  
Roll No:22MCAC11  
Class:MCA  
Email:ganesh@gmail.com

33°C Mostly sunny

Search

ENG IN 03:22 PM 06-10-2023

## **5. IMPLEMENT OVERLOADING AND OVERRIDING**



## Program:

```
<?php
class shape {
    function __call($name_of_function, $arguments) {
        if($name_of_function == 'area') {
            switch (count($arguments)) {
                case 1:
                    echo "AREA OF SHAPES : <br />";
                    echo "<br>";
                    echo "AREA OF CIRCLE <br />";

                    return 3.14 * $arguments[0];
                case 2:
                    echo "<br />AREA OF RECTANGLE <br />";

                    return $arguments[0]*$arguments[1];

                    //area is triangle;
                case 3:
                    echo "<br />AREA OF TRIANGLE <br />";

                    return $arguments[0]*$arguments[1]*$arguments[2];
            }
        }
    }
}

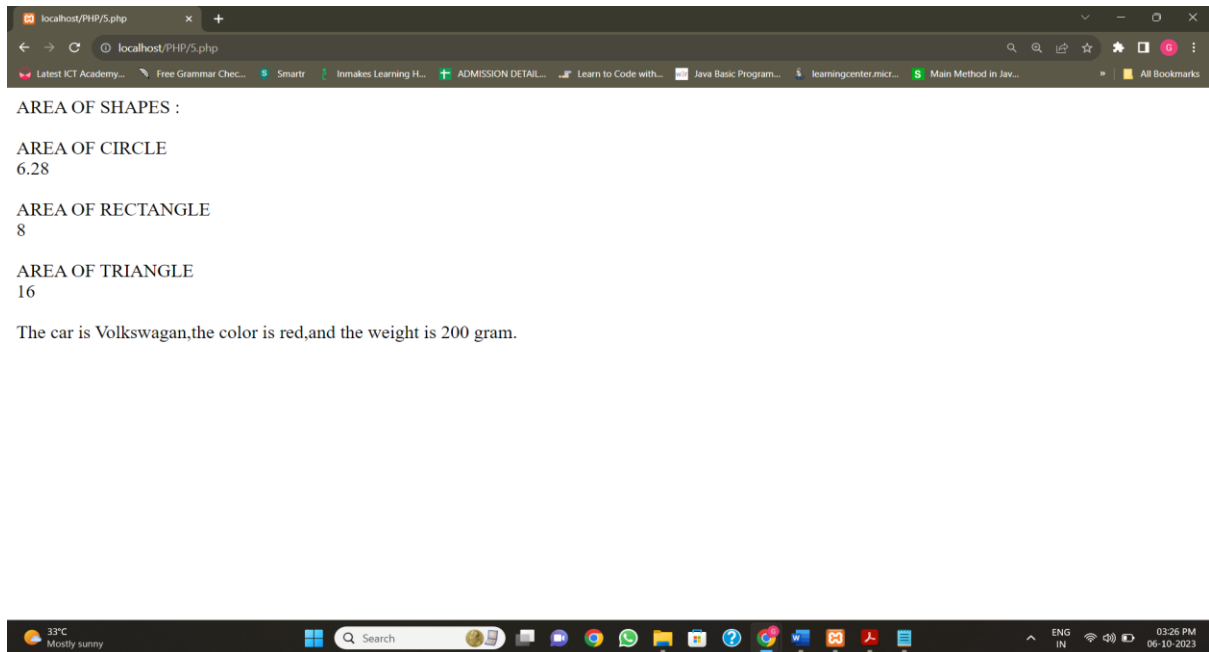
$s = new Shape;
echo($s->area(2));
echo "<br>";
echo ($s->area(4, 2));
echo "<br>";
echo ($s->area(4, 4, 1));
echo "<br>";
echo "<br>";
?>
```

```

<?php
class Car {
public $name;
public $color;
public function __construct($name,$color)
{
$this->name=$name;
$this->color=$color;
}
public function intro()
{
    echo"The car is {$this->name} and the color is {$this->color}.";
}
}
class Volkswagan extends Car
{
public $weight;
public function __construct($name,$color,$weight)
{
$this->name=$name;
$this->color=$color;
$this->weight=$weight;
}
public function intro()
{
    echo"The car is {$this->name},the color is {$this->color},and the weight is {$this->weight} gram.";
}
}
$volkswagan=new Volkswagan("Volkswagan","red",200);
$volkswagan->intro();
?>

```

## Output:



## **6. IMPLEMENT INHERITANCE**

## Program:

```
<?php
class Person {
    protected $name;
    protected $age;

    public function __construct($name, $age) {
        $this->name = $name;
        $this->age = $age;
    }

    public function displayInfo() {
        echo "Name: " . $this->name . "<br>";
        echo "Age: " . $this->age . "<br>";
    }
}

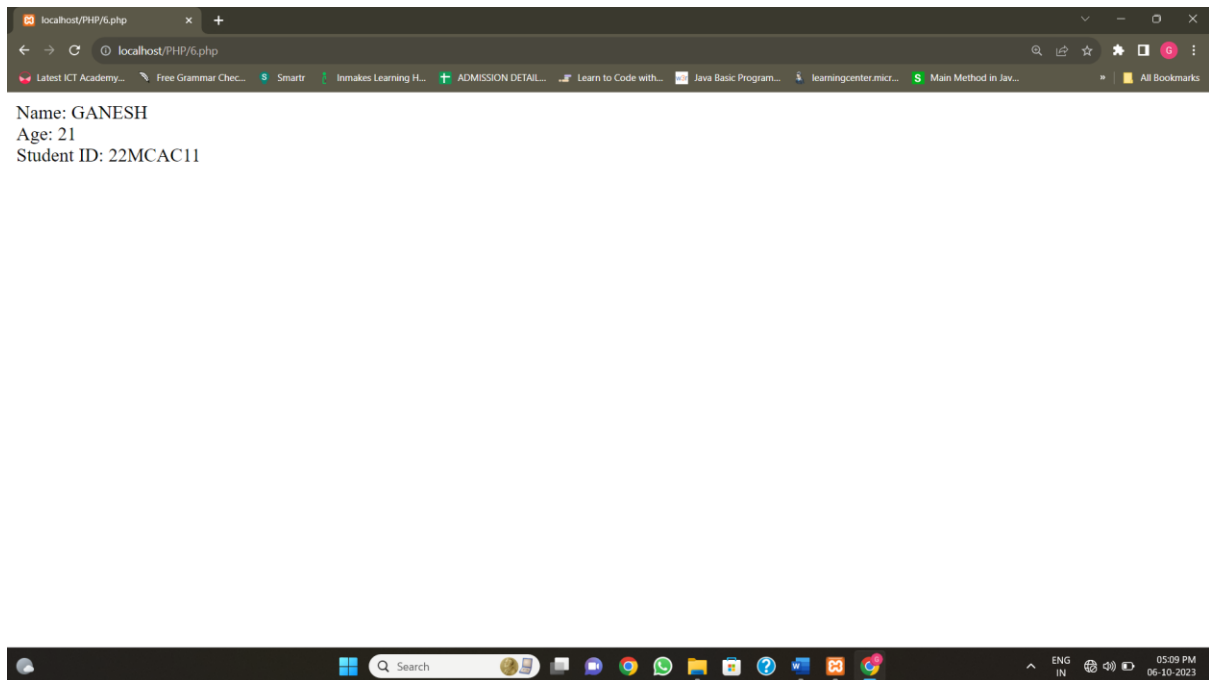
class Student extends Person {
    private $studentID;

    public function __construct($name, $age, $studentID) {
        parent::__construct($name, $age);
        $this->studentID = $studentID;
    }

    public function displayStudentInfo() {
        parent::displayInfo();
        echo "Student ID: " . $this->studentID . "<br>";
    }
}

$student1 = new Student("GANESH", 21, "22MCAC11");
$student1->displayStudentInfo();
?>
```

## Output:



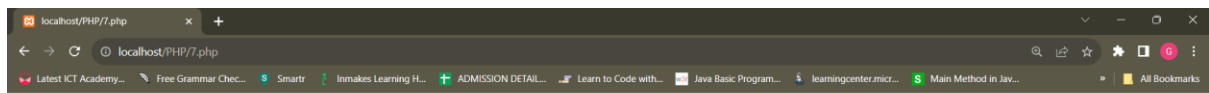
## 7. FILE HANDLING

## Program:

```
<?php
$filename = "example.txt";
if (file_exists($filename)) {
    $file = fopen($filename, "r");
    if ($file) {
        echo "File Contents:";
        while (($line = fgets($file)) !== false) {
            echo $line;
        }
        fclose($file);
    }
} else {
    echo "Unable to open the file for reading.";
}
}
else {
    echo "The file does not exist.";
}
}
$file = fopen($filename, "w");
if ($file) {
    $content = "Hello";
    echo "<br>";
    fwrite($file, $content);
    fclose($file);
    echo "File write operation completed.";
}
else {
    echo "Unable to open the file for writing.";
}
?>
```



## Output:



File Contents:Hello  
File write operation completed.



## **8. STUDENT DETAILS USING DATABASE CONNECTION**

## Program:

```
<?php
$servername="localhost";
$username="root";
$db="student";
$link=mysqli_connect($servername,$username,"",$db);
$conn=mysqli_select_db($link,$db);

?>

<html>
<head> <title>Database Program</title></head>
<body>
<form name="form1" action="" method="post">
<center>
<h1>STUDENTS DETAILS</h1>
<table>
<tr></tr><tr></tr><tr></tr><tr></tr><tr></tr><tr></tr><tr></tr><tr></tr><tr></tr>
<tr></tr><tr></tr><tr></tr><tr></tr><tr></tr><tr></tr><tr></tr><tr></tr>

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

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

```

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

```

```

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

```

```

<td colspan="2" align="center">
<input type="submit" name="submit1" value="INSERT">
<input type="submit" name="submit3" value="DISPLAY">
<input type="submit" name="submit2" value="DELETE">
</td>

```

```

</tr>
</table>
</center>
</form>
</body>
</html>

```

```

<?php
if(isset($_POST["submit1"]))
{
mysql_query($link,"insert into studentdetails
values('$_POST[StudentName]','$_POST[StudentId]','$_POST[Department]','$_POS
T[Year]')");
//echo " Record inserted successfully";

```

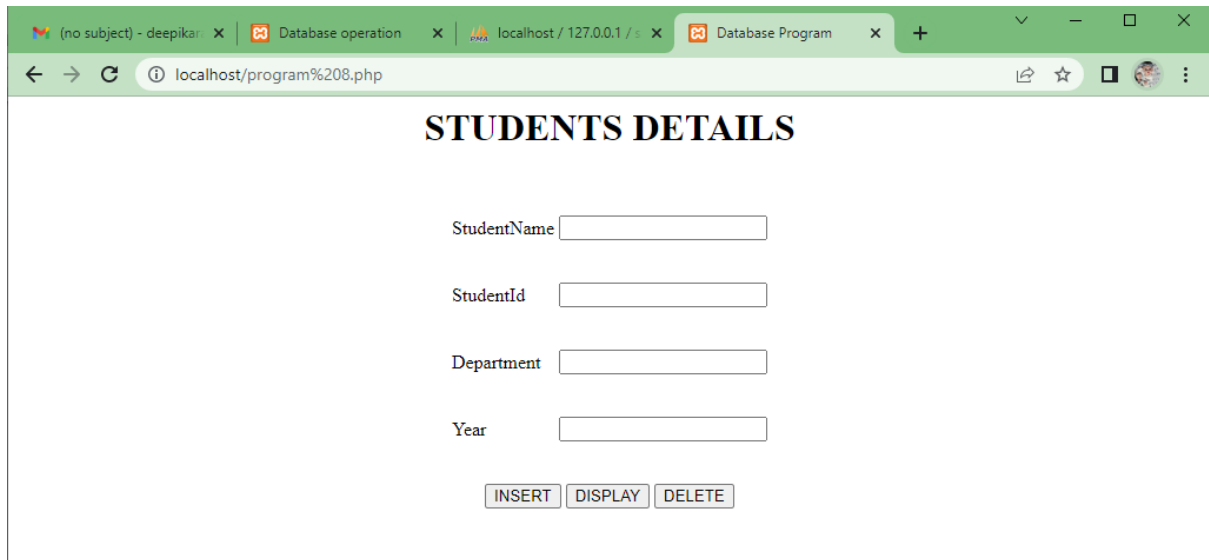
```

}
if(isset($_POST["submit2"]))
{
    mysqli_query($link,"delete from studentdetails where
    StudentId=$_POST[StudentId]");
    //echo " Record Deleted successfully";
}
if(isset($_POST["submit3"]))
{
    $res=mysqli_query($link,"select * from studentdetails");
    echo " <table border=1>";
    echo "<tr>";
    echo "<th>";echo "StudentName"; echo "</th>";
    echo "<th>";echo "StudentId"; echo "</th>";
    echo "<th>";echo "Department"; echo "</th>";
    echo "<th>";echo "Year"; echo "</th>";
    echo "</tr>";

    while($row=mysqli_fetch_array($res))
    {
        echo "<center>";
        echo "<tr>";
        echo "<td>";echo $row["StudentName"]; echo "</td>";
        echo "<td>";echo $row["StudentId"]; echo "</td>";
        echo "<td>";echo $row["Department"]; echo "</td>";
        echo "<td>";echo $row["Year"]; echo "</td>";
        echo "</tr>";
        echo "</center>";}
    echo "</table>";
}
?>

```

## Output:



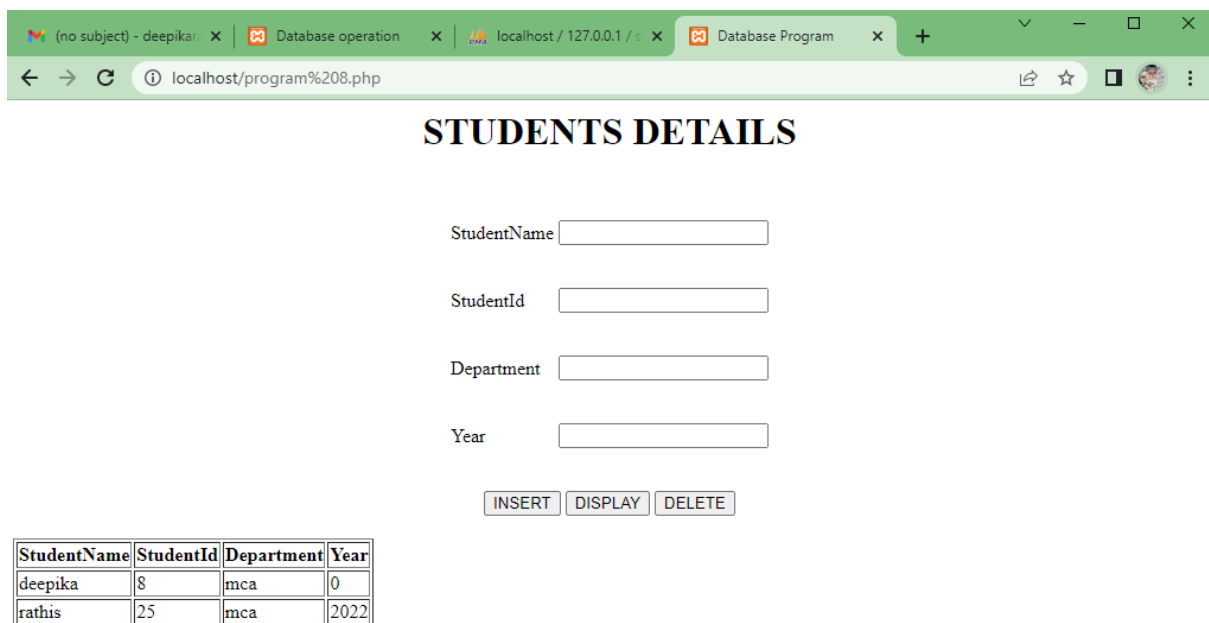
**STUDENTS DETAILS**

StudentName

StudentId

Department

Year



**STUDENTS DETAILS**

StudentName

StudentId

Department

Year

StudentName	StudentId	Department	Year
deepika	8	mca	0
rathis	25	mca	2022

## **9. PROGRAM TO IMPLEMENT COOKIES**

## **Program:**

### **Index.php:**

```
<style type="text/css">
th{
text-align:right;
}
h3
{
text-align:center;
}
</style>
<table cellpadding="5" cellspacing="10" align="center">
<h3>Login form using session and cookies with remember Me</h3>
<form method="post" action="validate.php">
<tr><th>Email</th><td><input type="text" name="email"></td></tr>
<tr><th>Password</th><td><input type="password" name="password"></td></tr>
<tr><td colspan="2" align="center"><input
type="checkbox" name="remember" value="1">Remember Me</td></tr>
<tr><td colspan="2" align="right"><input
type="submit" value="Login" name="login"></td></tr>
</form>
</table>
```

### **Validate.php:**

```
<?php
$myemail = "ckganeshkumar113@gmail.com";
$mypass = "12345";
if(isset($_POST['login'])){
$email = $_POST['email'];
$pass = $_POST['password'];
if($email == $myemail and $pass == $mypass){
if(isset($_POST['remember'])){
```



```

setcookie('email',$email,time()+60*60*7);
}
session_start();
$_SESSION['email'] = $email;
header("location: welcome.php");
}else{
echo"Email or password is Invalid.<br>click here to<a
    href='login.php'>try again</a>";
}
}
else{
header("location:login.php");
}
?>

```

### **Welcome.php:**

```

<?php
session_start();
echo"Welcome ".$_SESSION['email'];
echo"<a href='logout.php'>logout</a>";
?>

```

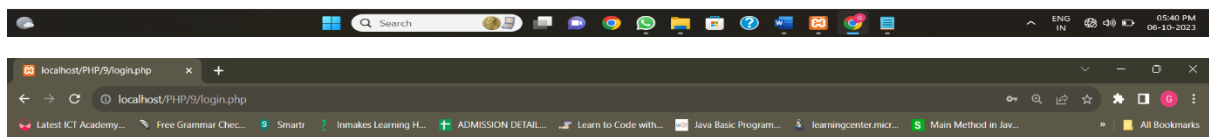
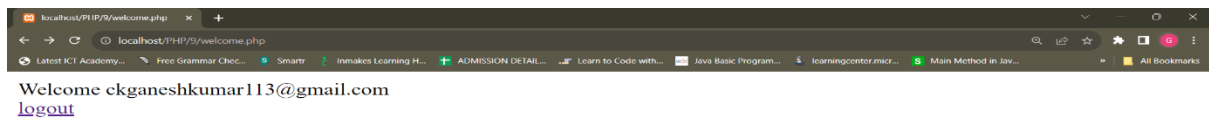
### **Logout.php:**

```

<?php
session_start();
session_destroy();
echo"you successfully logout.click here to<a href='login.php'>login again</a>";
?>

```

## Output:

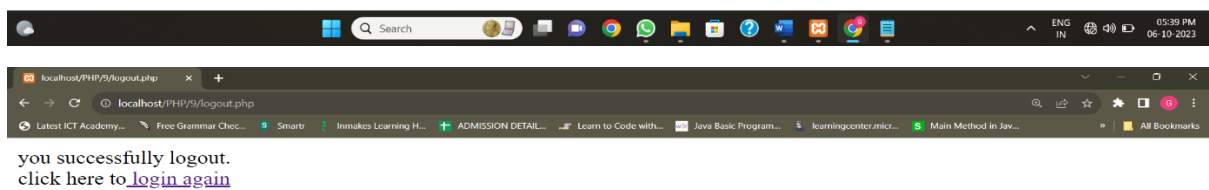


### Login form using session and cookies with remember Me

Email

Password

☒ Remember Me



## 10. DRAWING IMAGES ON A WEBPAGE

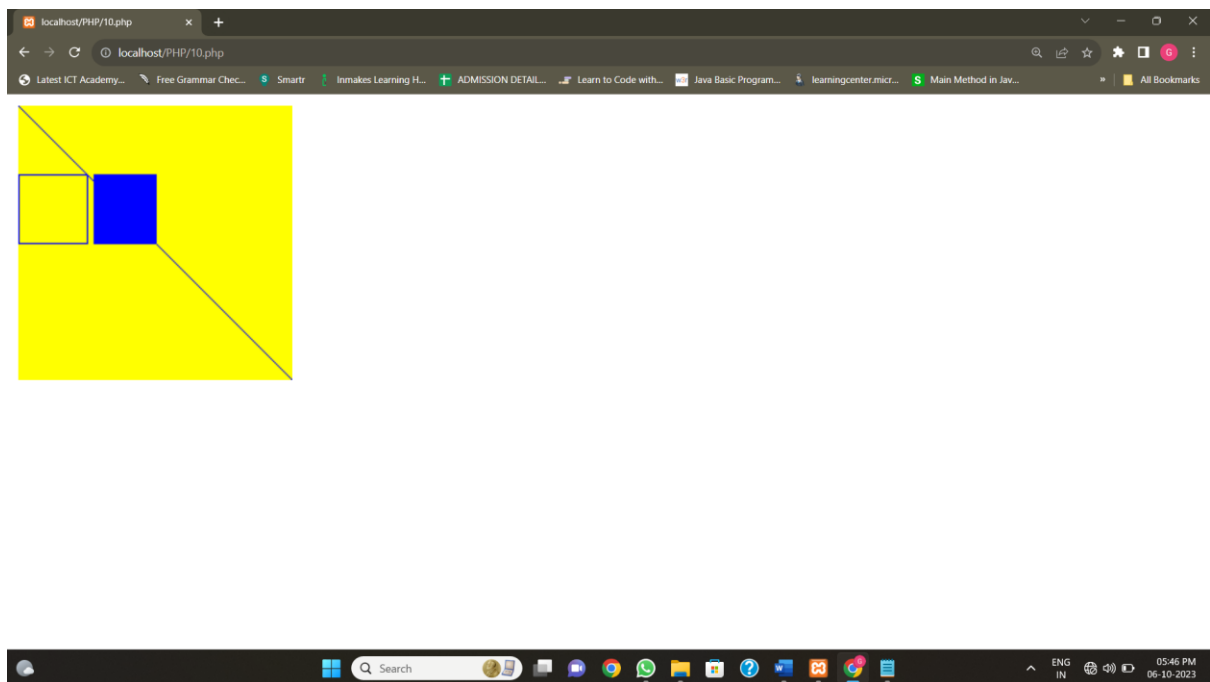
---

**Program:**

```
<?php
$im=imagecreate(200,200) or die ("GD library not activated");
$background_color=imagecolorallocate($im,255,255,0);
$blue=imagecolorallocate($im,0,0,255);
imageline($im,0,0,200,200,$blue);
imagerectangle($im,0,50,50,100,$blue);
imagefilledrectangle($im,55,50,100,100,$blue);
imagepng($im,"demoimage.png");
?>

```

## Output:



## **11.CONSTRUCTOR AND DESTRUCTOR**

## **Program:**

### **Constructor:**

```
<!DOCTYPE html>

<html>

<body>

<?php

class Dept {

public $name;

public $dept;

function __construct($name, $dept) {

    $this->name = $name;

    $this->dept = $dept;

}

function get_name() {

    return $this->name;

}

function get_dept() {

    return $this->dept;

}

}

$class = new Dept("Department", "MCA");

echo $class->get_name();

echo "<br>";

echo $class->get_dept();

?>

</body>

</html>
```

## Output:





## **Destructor:**

```
<!DOCTYPE html>

<html>

<body>

<?php

class Stud {

    var $name;

    var $age;

    function __construct($name, $age) {

        $this->name = $name;

        $this->age = $age;

    }

    function _destruct()

        echo "Student Name is {$this->name} and age is {$this->age}.";

    }

}

$student = new Stud("Srini", "21");

?>

</body>

</html>
```

## Output:



## **12.SWITCH STATEMENT**

**Program:**

```
<!DOCTYPE html>

<html>

<body>

<?php

$favcolor = "red";

switch ($favcolor) {

    case "red":

        echo "Your favorite color is red!";

        break;

    case "blue":

        echo "Your favorite color is blue!";

        break;

    case "green":

        echo "Your favorite color is green!";

        break;

    default:

        echo "Your favorite color is neither red, blue, nor green!";

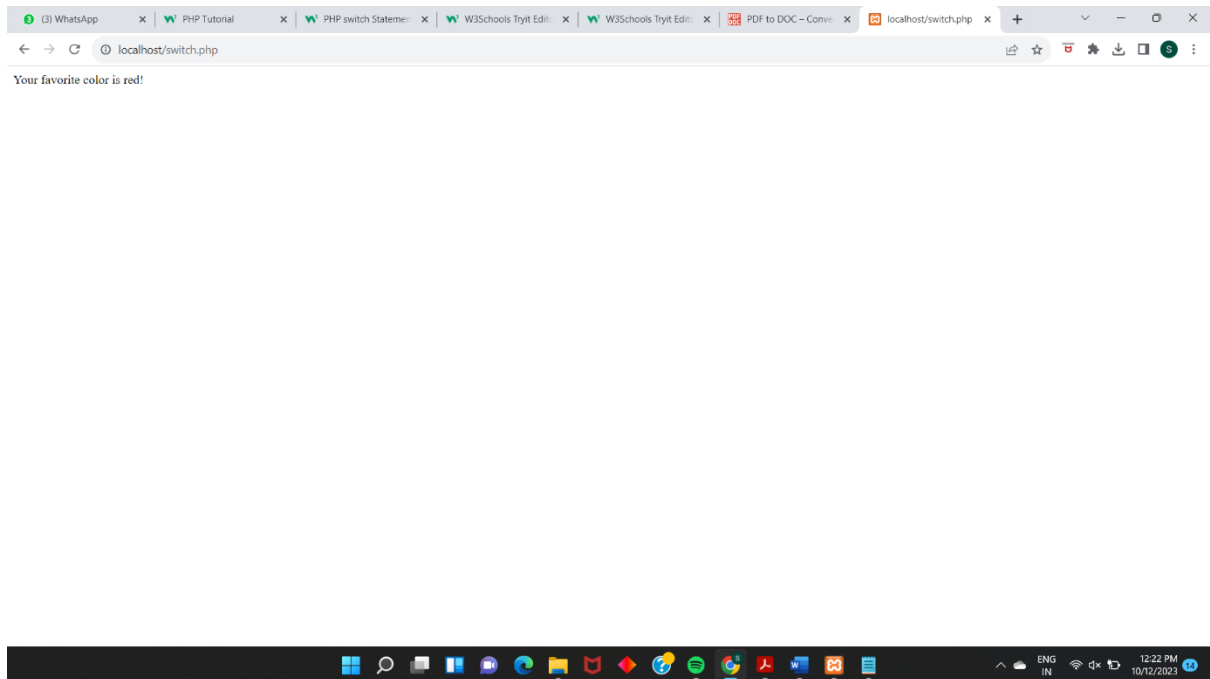
}

?>

</body>

</html>
```

## Output:



**13. PHP PROGRAM TO IMPLEMENT SESSION**

**Program:**

```
<?php
session_start();

$_SESSION['username'] = 'Students';

echo "Welcome, " . $_SESSION['username'] . "!";

if(isset($_POST['logout'])) {
    session_destroy();
    header('Location: index.php');
    exit;
}
?>

<!DOCTYPE html>

<html>

<head>

    <title>Session Program</title>

</head>

<body>

    <form method="post">

        <input type="submit" name="logout" value="Logout">

    </form>

</body>

</html>
```

## Output:





## **14.EXCEPTION HANDLING**

**Program:**

```
<!DOCTYPE html>

<html>

<body>

<?php

function divide($dividend, $divisor) {

    if($divisor == 0) {

        throw new Exception("Division by zero");

    }

    return $dividend / $divisor;

}

try {

    echo divide(5, 0);

} catch(Exception $e) {

    echo "Unable to divide.";

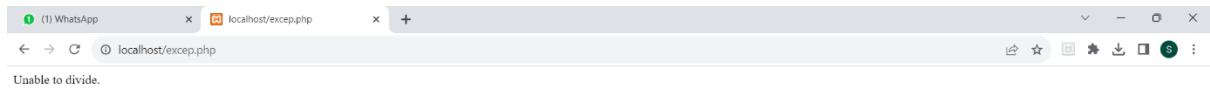
}

?>

</body>

</html>
```

## Output:



## 15.NAMESPACES

## Program:

```
<?php
namespace Html;

class Table {

    public $title = "";

    public $numRows = 0;

    public function message() {

        echo "<p>Table '{$this->title}' has {$this->numRows} rows.</p>";

    }

}

$table = new Table();

$table->title = "My table";

$table->numRows = 5;

?>

<!DOCTYPE html>

<html>

<body>

<?php

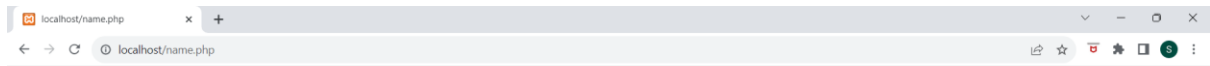
$table->message();

?>

</body>

</html>
```

## Output:



## **16.Students information using methods and properties**

## Program:

```
<?php

class StudentLogger {

    // Static property to store student information

    private static $log = [];


    // Static method to log student information

    public static function logStudent($name, $age, $major) {

        // Create a formatted string and add it to the log

        self::$log[] = "Name: $name, Age: $age, Major: $major";

    }


    // Static method to get all logged student information

    public static function getLog() {

        return self::$log;

    }

}


// Log student information using the StudentLogger class

StudentLogger::logStudent("Jeevan", 21, "Computer Science");

StudentLogger::logStudent("Kavin", 22, "Mathematics");

StudentLogger::logStudent("Balaji", 21, "IT");


// Get and display all logged student information

$loggedStudents = StudentLogger::getLog();

foreach ($loggedStudents as $studentInfo) {

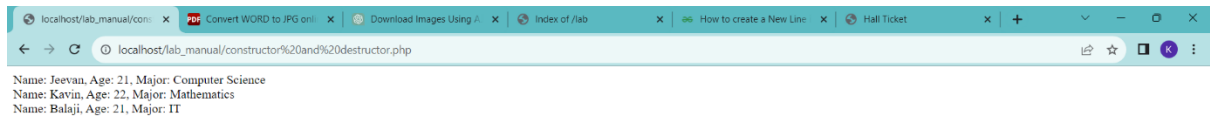
    echo $studentInfo . "<br>";

}

?>
```



## Output:



## 17. Palindrome

## Program:

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

```
Enter a Number: <input type="text" name="num"/><br>
```

```
<button type="submit">Check</button>
```

```
</form>
```

```
<?php
```

```
    if($_POST)
```

```
    {
```

```
        //get the value from form
```

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

```
        //reversing the number
```

```
        $reverse = strrev($num);
```

```
        //checking if the number and reverse is equal
```

```
        if($num == $reverse){
```

```
            echo "The number $num is Palindrome";
```

```
        }
```

```
    else{
```

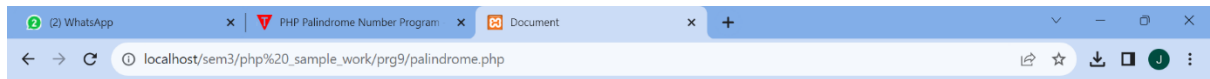
```
        echo "The number $num is not a Palindrome";
```

```
    }
```

```
}
```

```
?>
```

## Output:



Enter a Number:

Check

The number is Palindrome

## **18.Employee Information Using Db Connection**

## Program:

```
<?php
$servername="localhost";
$username="root";
$db="mca";
$link=mysqli_connect($servername,$username,"",$db);
$conn=mysqli_select_db($link,$db);
?>

<html>
<head> <title>Database Program</title></head>
<body>
<form name="form1" action="" method="post">
<center>
<h1> Employee Details </h1>
<table>

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

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

<tr>
<td> salary</td> <td> <input type="text" name="Salary"></td>
</tr>
```

```

<tr>

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

</tr>

<tr>

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

<tr>

<td colspan="2" align="center">

<input type="submit" name="submit1" value="INSERT">

<input type="submit" value="Update" name="submit4">

<input type="submit" name="submit3" value="DISPLAY">

<input type="submit" name="submit2" value="DELETE">

</td>

</tr>

</table>

</center>

</form>

</body>

</html>

<?php

if(isset($_POST["submit1"]))

{

mysqli_query($link,"insert into vivek
values('$_POST[Name]','$_POST[Emp_Id]','$_POST[Salary]','$_POST[Address]','$_POST[
Phone]')");

//echo" Record inserted successfully";

}

if(isset($_POST["submit2"]))

{

```

```

mysqli_query($link,"delete from vivek where Emp_Id='$_POST[Emp_Id]'");

//echo" Record Deleted successfully";

}

if (isset($_POST["submit4"])) {

$Name = $_POST["Name"];

$Salary = $_POST["Salary"];

$Address = $_POST["Address"];

$Phone = $_POST["Phone"];

$Emp_Id = $_POST["Emp_Id"];


// Construct the SQL UPDATE query

$query = "UPDATE vivek SET Name='$Name', Salary='$Salary', Address='$Address',
Phone='$Phone' WHERE Emp_Id='$Emp_Id'";


// Execute the SQL query

if (mysqli_query($link, $query)) {

echo "Record updated successfully";

} else {

echo "Error updating record: " . mysqli_error($link);

}

}


if(isset($_POST["submit3"]))

{

$res=mysqli_query($link,"select * from vivek");

echo" <table border=1>";

echo"<tr>";

```



```

echo"<th>";echo"Name"; echo"</th>";

echo"<th>";echo"Emp_Id"; echo"</th>";

echo"<th>";echo"Salary"; echo"</th>";

echo"<th>";echo"Address"; echo"</th>";

echo"<th>";echo"Phone"; echo"</th>";

echo"</tr>";


while($row=mysqli_fetch_array($res))
{
echo"<center>";

echo"<tr>";

echo"<td>";echo$row["Name"]; echo"</td>";

echo"<td>";echo$row["Emp_Id"]; echo"</td>";

echo"<td>";echo$row["Salary"]; echo"</td>";

echo"<td>";echo$row["Address"]; echo"</td>";

echo"<td>";echo$row["Phone"]; echo"</td>";

echo"</tr>";

echo"</center>";}

echo"</table>";

}

?>

```

## Output:

**Employee Details**

Name

Emp\_Id

salary

Address

Phone

Name	Emp_Id	Salary	Address	Phone
Kavin	1234	30000	Namakkal	98765434
vivek	2453	200000	coimbatore	12345678
Jeevan	4567	30000	coimbatore	9876543
Ganesh	113	20000	RMD	1234567890

**Employee Details**

Name

Emp\_Id

salary

Address

Phone

Name	Emp_Id	Salary	Address	Phone
sujith	1234	40000	Namakkal	0
vivek	2453	200000	coimbatore	12345678
Jeevan	4567	30000	coimbatore	9876543
Ganesh	113	20000	RMD	1234567890