Dr.M.G.R.
Educational and Research Institute
(DEEMED TO BE UNIVERSITY)
(An ISO Certified Institution)
University with Graded Autonomy Status
Maduravoyal , Chennai - 600 095

RECORD NOTEBOOK

BCS18ET3 – PHP/ MYSQL

2022 (ODD SEMESTER)

DEPARTMENT

OF

COMPUTER SCIENCE AND ENGINEERING

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REGISTER NO : **191061101183**

COURSE : **B.TECH CSE**

YEAR/SEM/SEC : **III/VI/D**

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BONAFIDE CERTIFICATE

Register No.: **191061101183**

Subject Name : PHP / MYSQL
Subject Code : BCS18ET3
Department : COMPUTER SCIENCE AND ENGINEERING

Certified that this is the bonafide record of work done by **"SREEHARI .T"** of "***III Year B.Tech. (CSE), Sec- D***" in the "***PHP / MYSQL***" during the year 2022.

Signature of Lab-in-Charge **Signature of Head of Dept.**

Submitted for the Practical Examination held on ……

Internal Examiner **External Examiner**

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Ex.No : 1	DETERMINE WHETHER A NUMBER IS 'ODD' OR 'EVEN'
Date:	

AIM:

To write a 'PHP' program to determine whether a given number is 'odd' or 'even'.

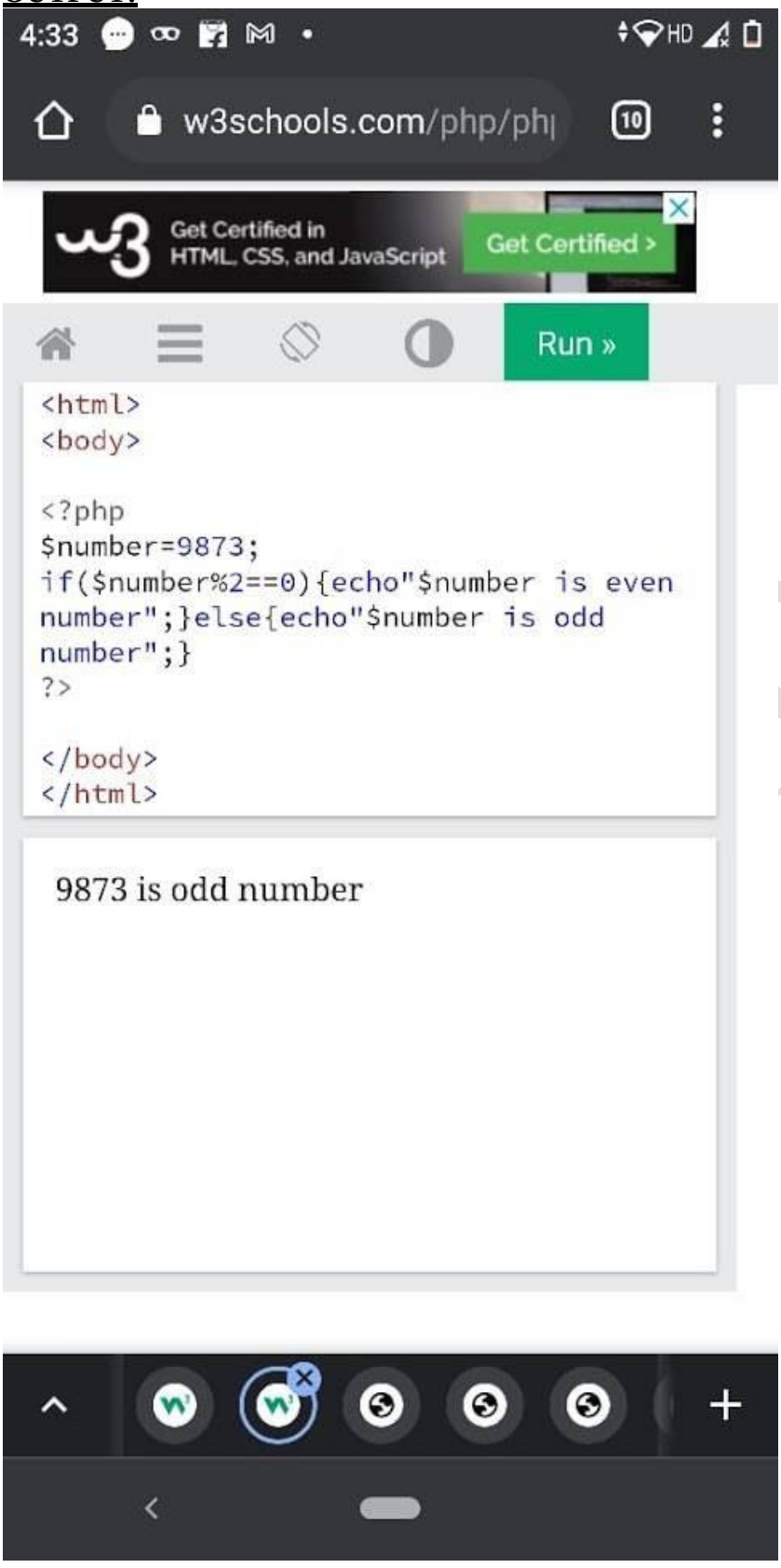
ALGORITHM:

1. Start
2. Read the number from the user.
3. Divide the number by 2.
4. If the remainder is equal to 0, print the number is 'even', else print it is 'odd'.
5. Stop.

PROGRAM:

```
<html>
<body>
<?php
$number 9873;
if ($number%2==0) { echo "$number is number"; }else[echo" $number is odd
number";}
?>
</body>
</html>
```

OUTPUT:


4:33
w3schools.com/php/ph
10
Get Certified in
HTML, CSS, and JavaScript
Get Certified >
Run »
<html>
<body>
<?php
$number=9873;
if($number%2==0){echo"$number is even
number";}else{echo"$number is odd
number";}
?>
</body>
</html>
9873 is odd number

RESULT:

Hence, the ‘PHP’ program to determine whether a given number is ‘odd’ or ‘even’ is executed and the output verified.

Ex.No : 2	SWITCH-CASE STATEMENT
Date:	

AIM:

To write a 'PHP' program to implement the switch-case statement.

ALGORITHM:

1. Start
2. Read the favorite food from the user and assign it to a variable.
3. Compare the value of the variable against the different cases within the switch.
4. Print the message of the case against which the variable is matched.
5. Stop.

PROGRAM:

```
<?php
$favfood = "rice";
switch ($favfood) {
case "Chocolate":
echo "Your favorite food is Chocolate!";
break;
case "Curd":
echo "Your favorite food is Curd!";
break;
case "Tamarind":
echo "Your favorite food is Tamarind!";
break;
case "Briyani":
echo "Your favorite food is Briyani!";
break;
default:
echo "Your favorite food is neither rice, Chocolate, tomato,
```

```
nor rasam!";
}
?>
```

OUTPUT:

RESULT:

Hence, the ‘PHP’ program to implement the switch-case statement is executed and the output verified.

Ex.No : 3	FIBONACCI SERIES
Date:	

AIM:

To write a 'PHP' program to generate the Fibonacci series.

ALGORITHM:

1. Start
2. Assign the first two terms of the series with values 0 and 1 respectively.
3. Read the number of terms to be generated into a variable 'n'.
4. Using a loop generate the next terms of the series, by adding the previous two terms till the value 'n'.
5. Display the terms of the Fibonacci series.
6. Stop.

PROGRAM:<?php

```
$a=0;
$b=1;
echo "$a\n";
echo "$b\n";
for($x=2; $x<8;$x++)
{
$c=$a+$b;
$a=$b;
$b=$c;
echo "$c\n";
}
?>
```

OUTPUT:

```php
<?php

$a=0;
$b=1;
echo "$a\n";
echo "$b\n";
for($x=2; $x<8;$x++)
{
$c=$a+$b;
$a=$b;
 $b=$c;
echo "$c\n";
 }

?>
```

```
0 1 1 2 3 5 8 13
```

RESULT:

Hence, the ‘PHP’ program to generate the Fibonacci series is executed and the output verified.

Ex.No : 4	DETERMINE THE FACTORIAL OF A NUMBER
Date:	

AIM:

To write a 'PHP' program to determine the factorial of a given number.

ALGORITHM:

1. Start
2. Read the number from the user into a variable 'num'.
3. Assign 1 to a variable 'factorial'.
4. Using loop initialize variable 'x' to the number and till it is decremented to 1, multiply factorial with the value 'x'.
5. Print the value of the variable 'factorial'.
6. Stop.

PROGRAM:

```
<?php
$num = 7;
$factorial = 1;
for ($x-$num; $x>=1; $x-)
{
$factorial = $factorial * $x;
}
echo 'Factorial of $num is $factorial";
```

OUTPUT:

```php
<?php

  $num = 7;
  $factorial = 1;
  for ($x=$num; $x>=1; $x--)
  {
    $factorial = $factorial * $x;
  }
  echo "Factorial of $num is $factorial";

?>
```

```
Factorial of 7 is 5040
```

RESULT:

Hence, the ‘PHP’ program to determine the factorial of a given number is executed and the output verified.

Ex.No : 5	CLASS AND OBJECT
Date	

AIM:

To write a 'PHP' program to create class and object.

ALGORITHM:

1. Start
2. Create a book class with properties author, title, pages.
3. Create an object for this class.
4. Assign the values for author, title, pages using the object.
5. Display the assigned values.
6. Stop.

PROGRAM:

```
<?php
class Book (
public $author;
public $title;
public Spages;
function set_name($name) {
$this->name = $name;
function get_name() { return $this->name;
}
PHP program to create an
jdoodle.com/php-online-editor/
W PHP OOP Classes and Ob X
Object Oriented Program
$author = new Book(); Stitle= new
Book(); Spages = new Book();
Sauthor->set_name('Author $title->set_name(" Title
```

Spages->set_name(' pages

: Dr.APJ Abdul kalam');

: Wings of fire');

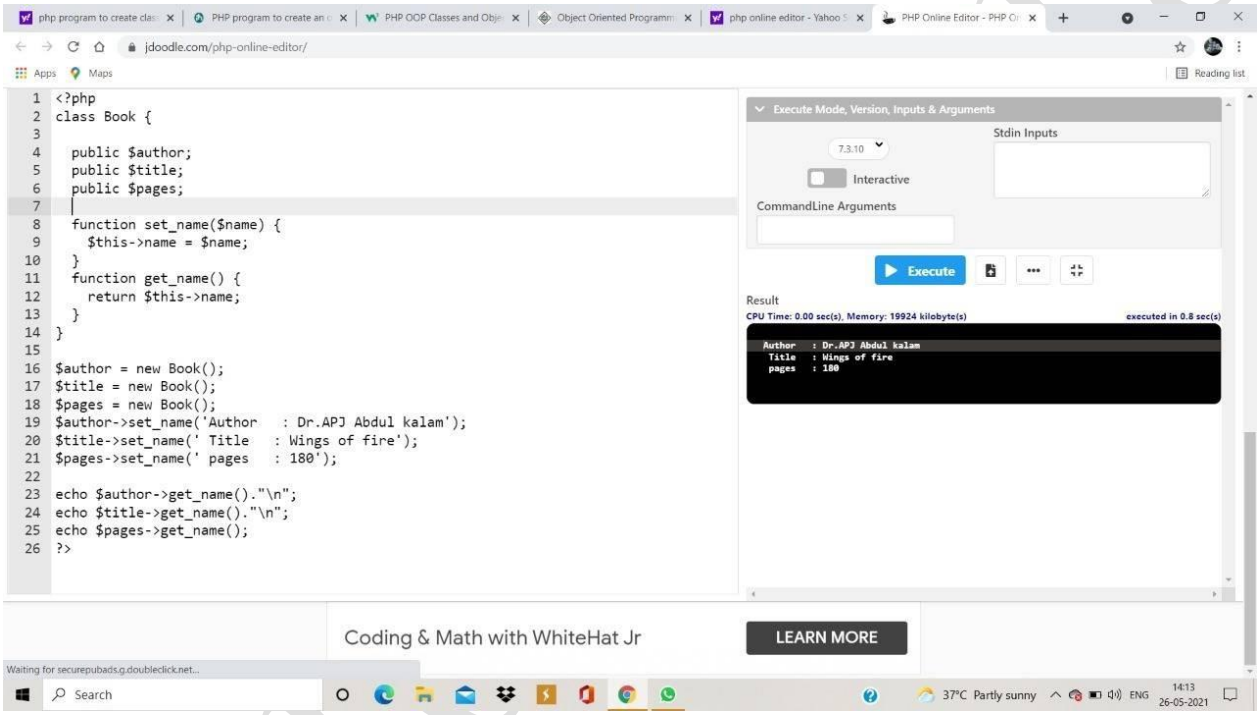
: 180');

echo $author->get_name()."\n";

echo $title->get_name()."\n"; echo Spages->get_name();

?>

OUTPUT:



RESULT:

Hence, the ‘PHP’ program to create class and object is executed and the output verified.

Ex.No : 6	INHERITANCE
Date	

AIM:

To write a 'PHP' program to implement the concept of inheritance.

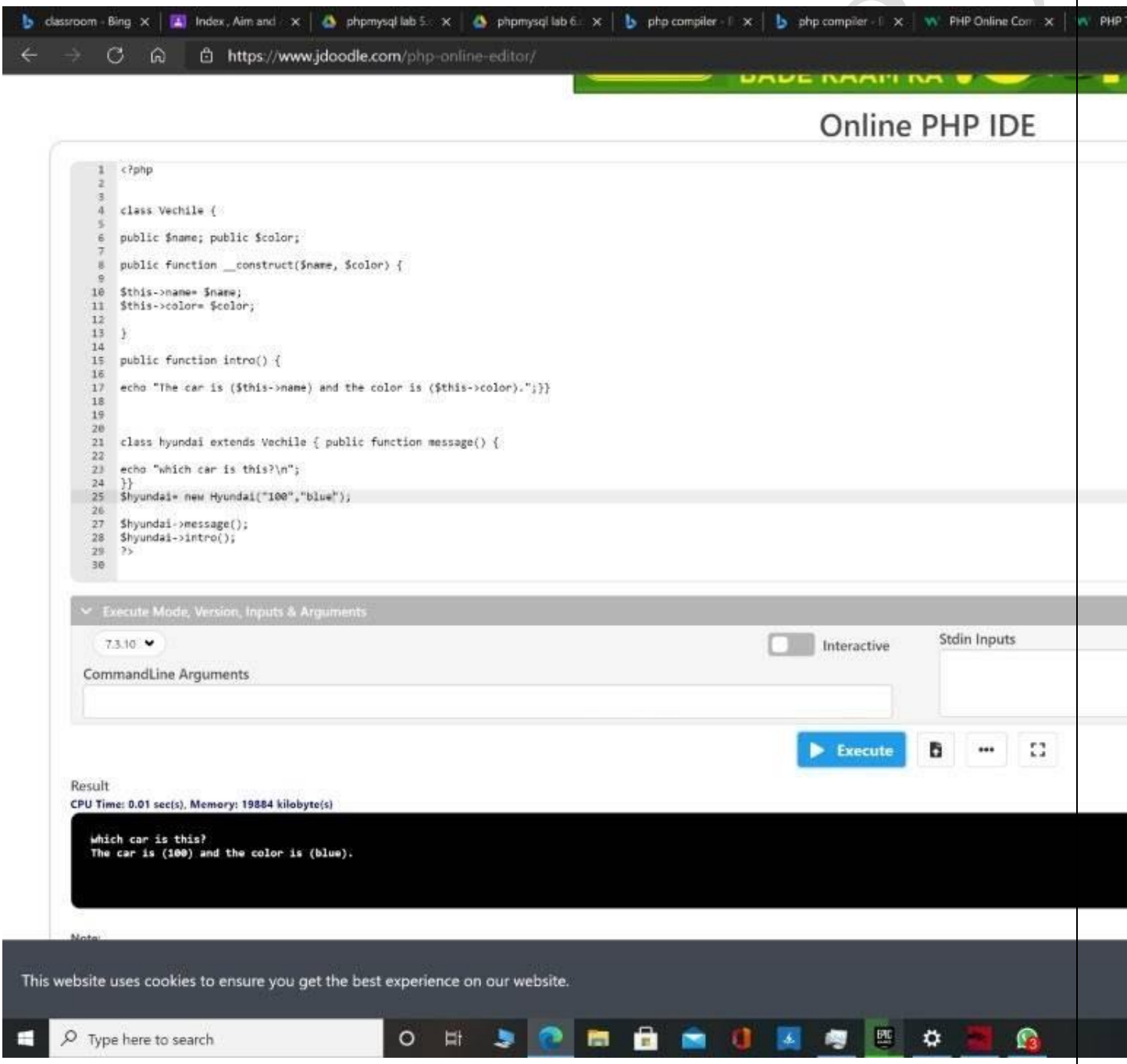
ALGORITHM:

1. Start
2. Create a parent class with property and methods defined.
3. Create a child class which can access the properties and methods of the parent class.
4. Stop.

PROGRAM:

```
<?php
class Vechile (
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 hyundai extends Vechile { public function message() {
echo "which car is this?\n";
} }
Shyundai = new Hyundai("120", "red"); Shyundai->message();
Shyundai->intro();
?>
```

OUTPUT:


https://www.jdoodle.com/php-online-editor/
Online PHP IDE
<?php
class Vechile {
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 hyundai extends Vechile { public function message() {
echo "which car is this?\n";
}}
$hyundai= new Hyundai("100","blue");
$hyundai->message();
$hyundai->intro();
?>
Execute Mode, Version, Inputs & Arguments
7.3.10
Interactive
Stdin Inputs
CommandLine Arguments
Execute
Result
CPU Time: 0.01 sec(s), Memory: 19884 kilobyte(s)
which car is this?
The car is (100) and the color is (blue).
This website uses cookies to ensure you get the best experience on our website.
Type here to search

RESULT:

Hence, the ‘PHP’ program to implement the concept of inheritance is executed and the output verified.

Ex.No : 7	CONSTRUCTOR AND DESTRUCTOR
Date	

AIM:

To write a 'PHP' program to indicate the use of constructor and destructor methods.

ALGORITHM:

1. Start
2. Create a class.
3. Define a construct method, user-defined method and destruct method within the class.
4. Create an object for the class to access the user-defined method.
5. Stop.

PROGRAM:

CONSTRUCTOR

```
<?php
   class Person {
      // first name of person
      private $fname;
      // last name of person
      private $lname;

      // Constructor
      public function__construct($fname, $lname) {
         echo "Initialising the object...<br/>";
         $this->fname = $fname;
         $this->lname = $lname;
      }
```

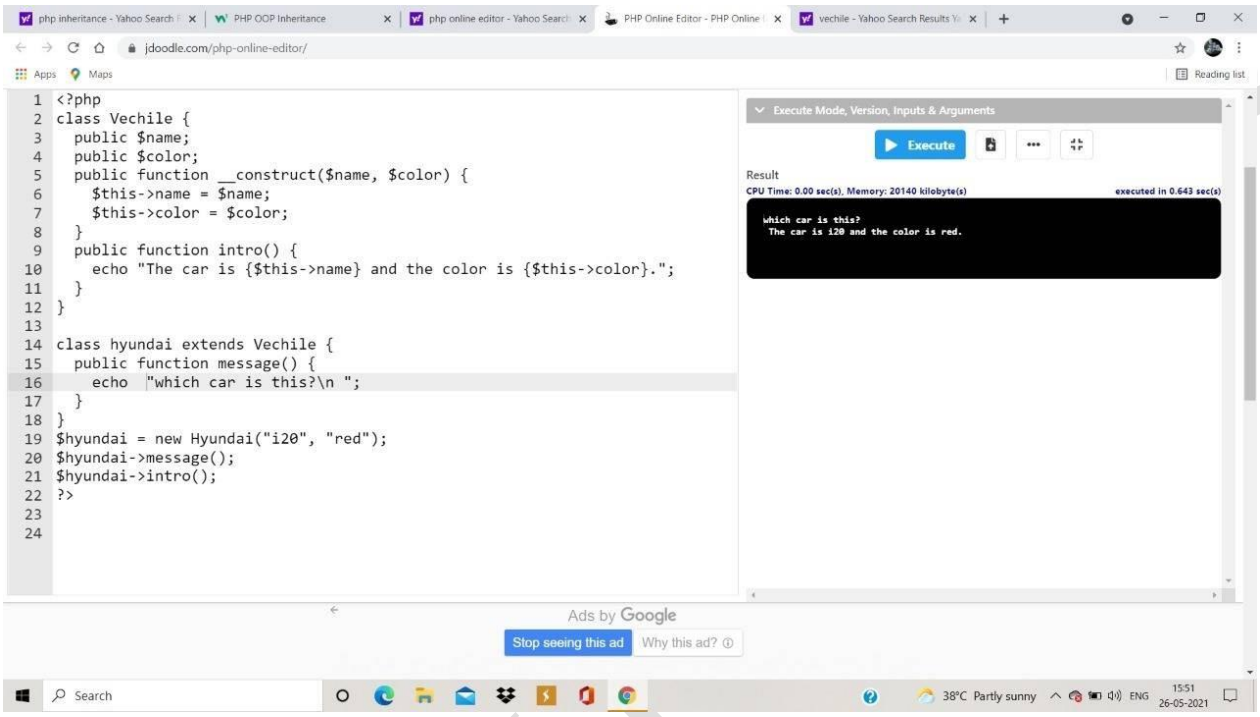
```
    // public method to show name
    public function showName() {
        echo "My name is: " . $this->fname . " " . $this->lname;
    }
}

// creating class object
$john = new Person("John", "Wick");
$john->showName();

?>
```

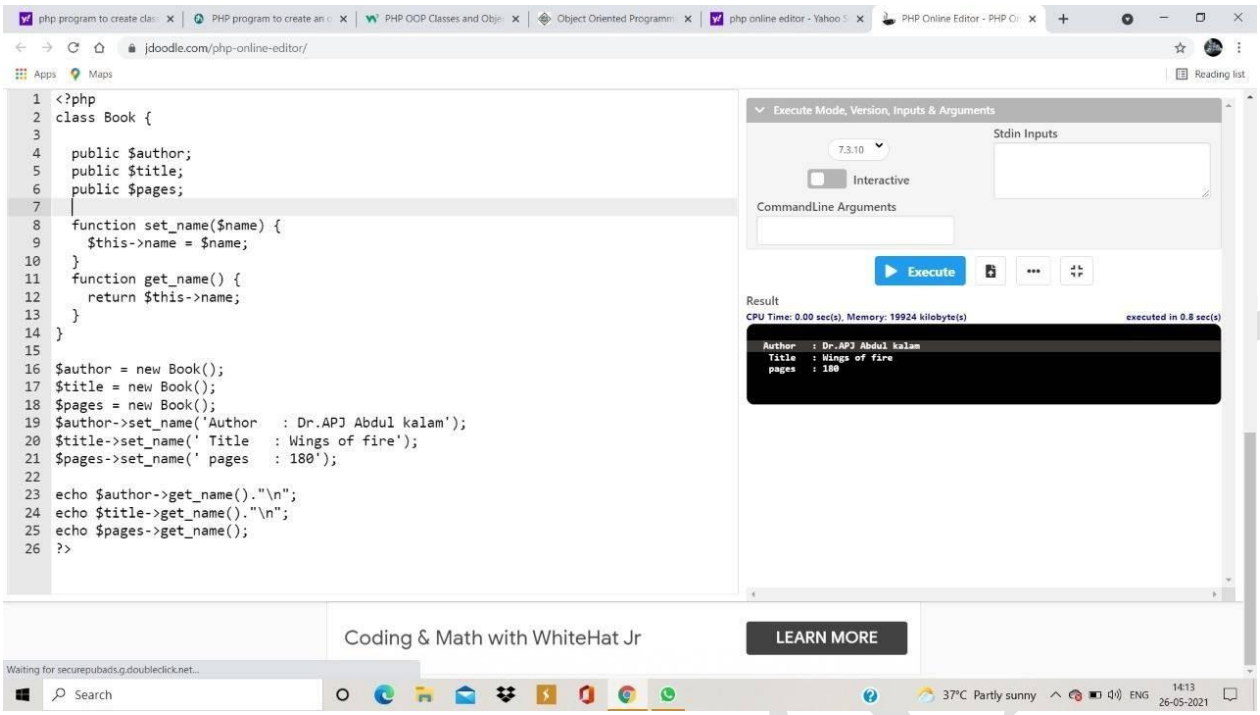
DESTRUTOR

```
<?php
class Person {
    // first name of person
    private $fname;
    // last name of person
    private $lname;

    // Constructor
    public function__construct($fname, $lname) {
        echo "Initialising the object...<br/>";
        $this->fname = $fname;
        $this->lname = $lname;
    }

    // Destructor
    public function__destruct(){
        // clean up resources or do something else
        echo "Destroying Object...";
    }

    // public method to show name
    public function showName() {
        echo "My name is: " . $this->fname . " " . $this->lname . "<br/>";
    }
}

// creating class object
$john = new Person("John", "Wick");
```

```
$john->showName();

?>
```

OUTPUT:





RESULT:

Hence, the 'PHP' program to indicate the use of constructor and destructor methods is executed and the output verified.

Ex.No : 8	ROWS * COLUMNS MULTIPLICATION TABLE GENERATION
Date:	

AIM:

To write a 'PHP' program to generate the multiplication table of rows and columns using nested for loops.

ALGORITHM:

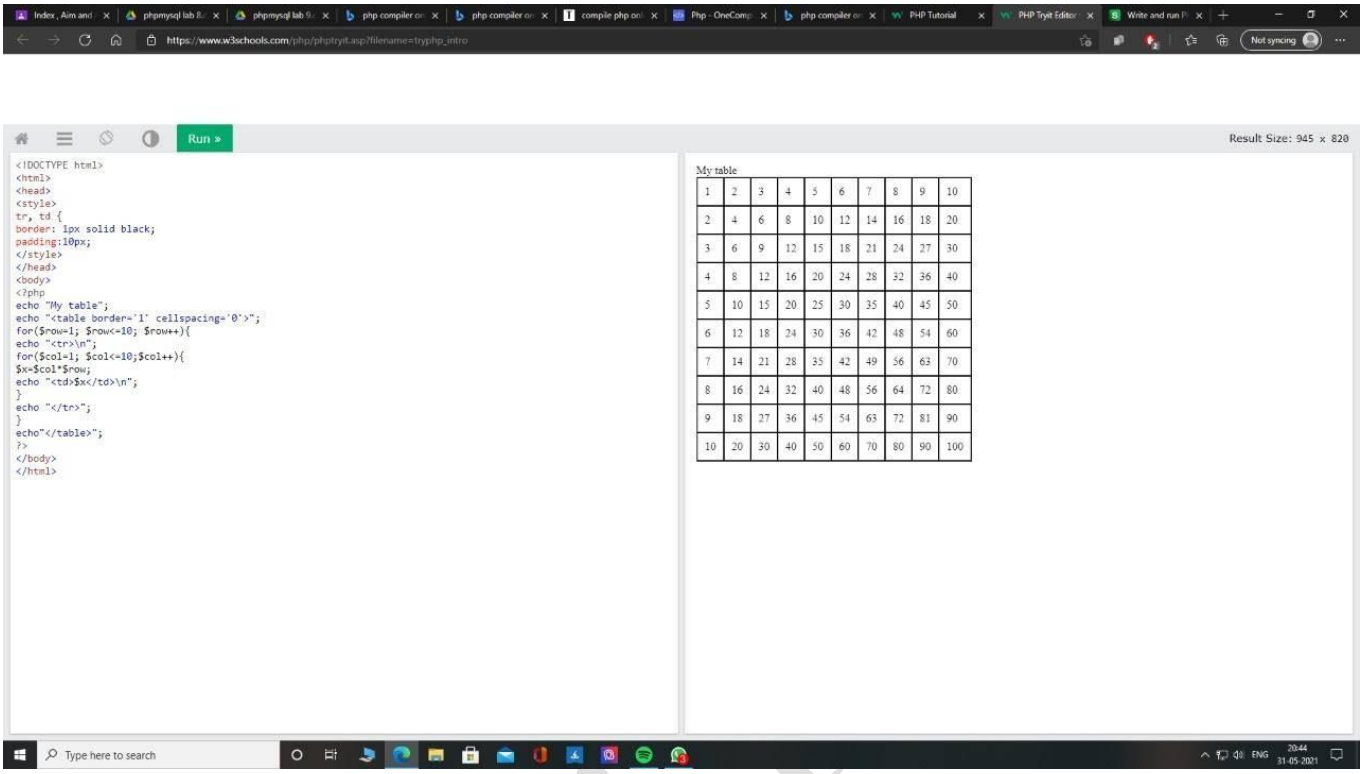
1. Start
2. Read the number of rows and the number of columns into 'row' and 'col' variable respectively.
3. Use an outer for loop for the row and inner for loop for the column.
4. Multiply the row and column values and display them column-wise.
5. Repeat step (4) for the remaining rows.
6. Stop.

PROGRAM:

```
<!DOCTYPE html>
<html>
<head>
<style>
tr,td (
border: 1px solid black;
padding:10px;
</style>
</head>
<body>
<?php
echo "My table";
echo "<table border='1' cellspacing='0'>"; for ($row=1;$row<=10; $row++)
echo "<tr>\n":
```

```
for($col=1;$col<=10;$col++) {
$x=$col *$row;
echo "<td>$x</td>\n"; }
echo "</tr>";
echo"</table>";
?>
</body>
</html>
```

OUTPUT:



RESULT:

Hence, the ‘PHP’ program to generate the multiplication table of rows and columns using nested loops is executed and the output verified.

Ex.No : 9	SORTED ARRAY VALUES
Date:	

AIM:

To write a 'PHP' program to create an array of different cities and display them in the sorted order as an unordered list.

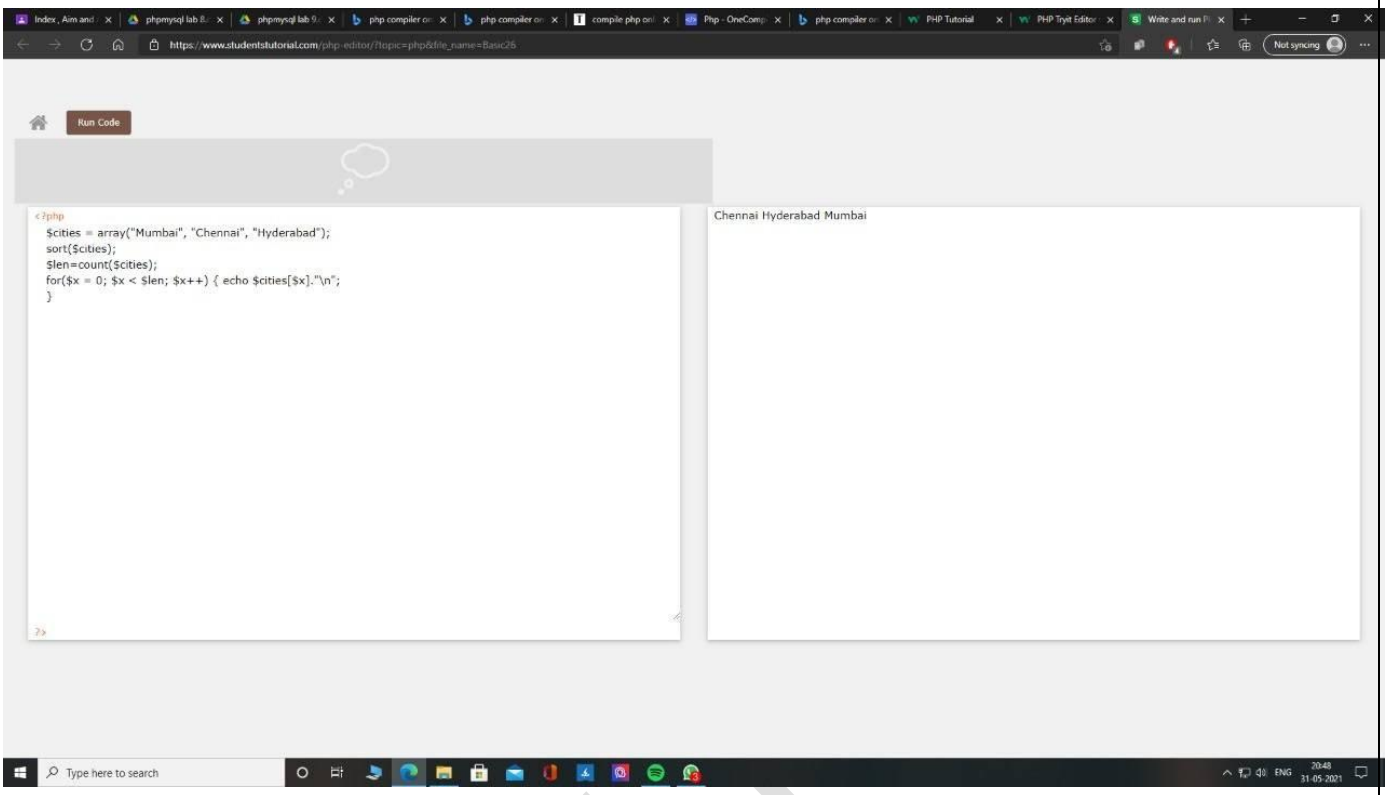
ALGORITHM:

1. Start
2. Initialize an array with names of different cities.
3. Display the values of the original array as an unordered list.
4. Apply the sort function to the original array.
5. Display the values of the sorted array as an unordered list.
6. Stop.

PROGRAM:

```
<?php
$cities = array("Mumbai", "Chennai", "Hyderabad");
sort($cities);
$len
= count($cities);
for($x = 0; $x < $len; $x++) {
echo $cities [$x]."\n";
}
?>
```

OUTPUT:



RESULT:

Hence, the 'PHP' program to create an array of different cities and display them in sorted order is executed and the output verified.

Ex.No : 10	STUDENT REGISTRATION FORM
Date:	

AIM:

To write a 'PHP' program to design a student registration form and display the submitted details on to another page.

ALGORITHM:

1. Start
2. Design a student registration form in register.php page.
3. Submit the registered details to success.php page and display them.
4. Stop.

PROGRAM:

[6:26 PM, 7/2/2021] Hari: <html> <body>

<form action="target.php" method="get">

Name: <input type="text" name="name">

E-mail: <input type="text" name="email">
 Mobile Phn: <input type="text" name="Mobile-phn">
 <input type="submit">

</form>

</body>

</html>

PHP

<html>

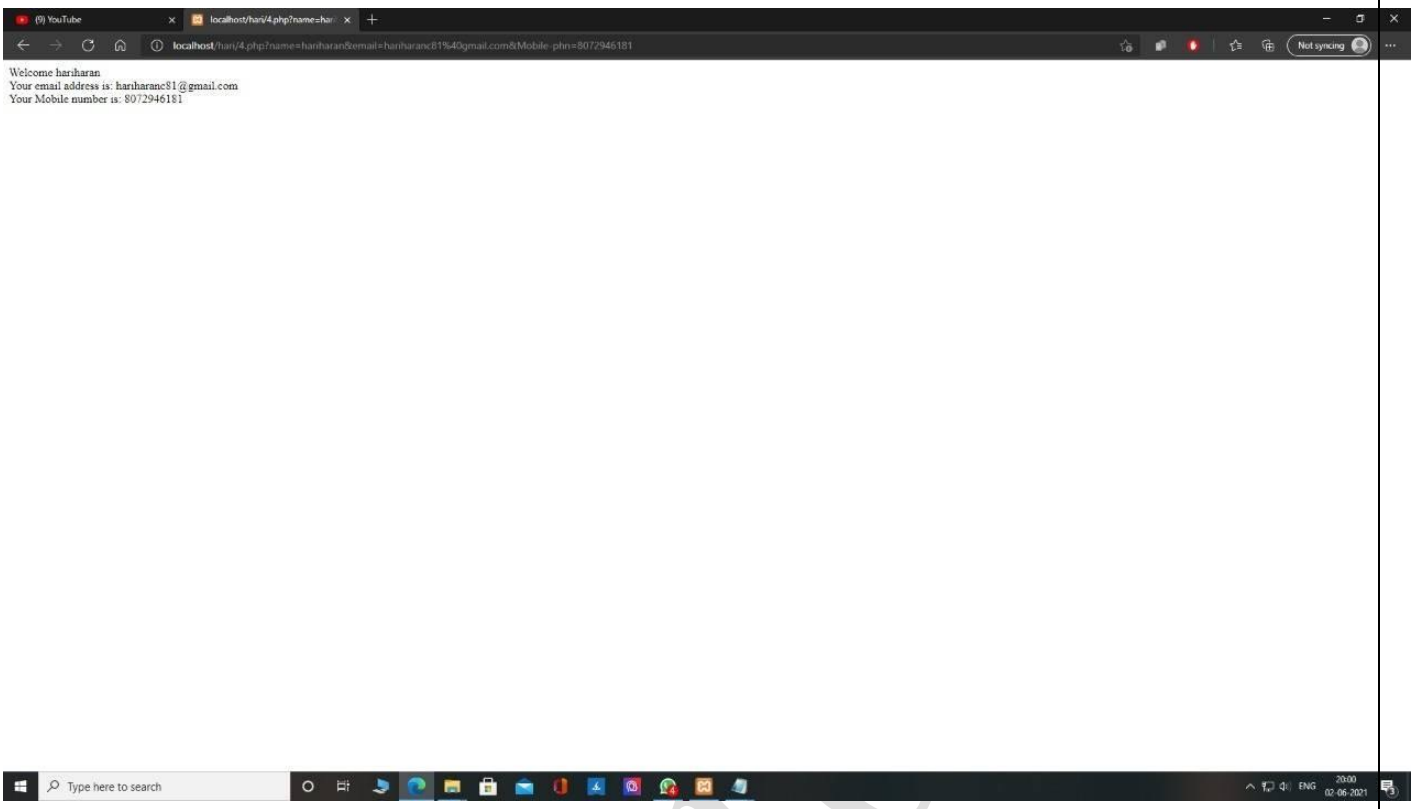
<body>

Welcome <?php echo $_GET["name"]; ?>

Your email address is: <?php echo $_GET["email"]; ?>
 Your Mobile number is: ?php echo $_GET["Mobile-phn"]; ?>

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

OUTPUT:



RESULT:

Hence, the ‘PHP’ program to design a student registration form and display the submitted details on to another page is executed and the output verified.

Ex.No : 11	INSERTING RECORD INTO A TABLE USING PHP/MySQL
Date:	

AIM:

To write a 'PHP/MySQL' program to insert a record into a database table.

ALGORITHM:

1. Start
2. Assign server name, user name, password, dbname , conn varaiables with the required values.
3. Check if the connection was successful. If not, print connection failed, else, proceed to step (4).
4. Insert a record and assign that SQL query to sql object.
5. Check the execution of the query with the conn object. If successful, print "record inserted successfully" else print "error".
6. Close the connection.
7. Stop.

PROGRAM:

insert.php

```
<html>
<style>
form,input
{
   padding:10px;
   margin:10px;
}
</style>
<body>
<title>Insert Data</title>
```

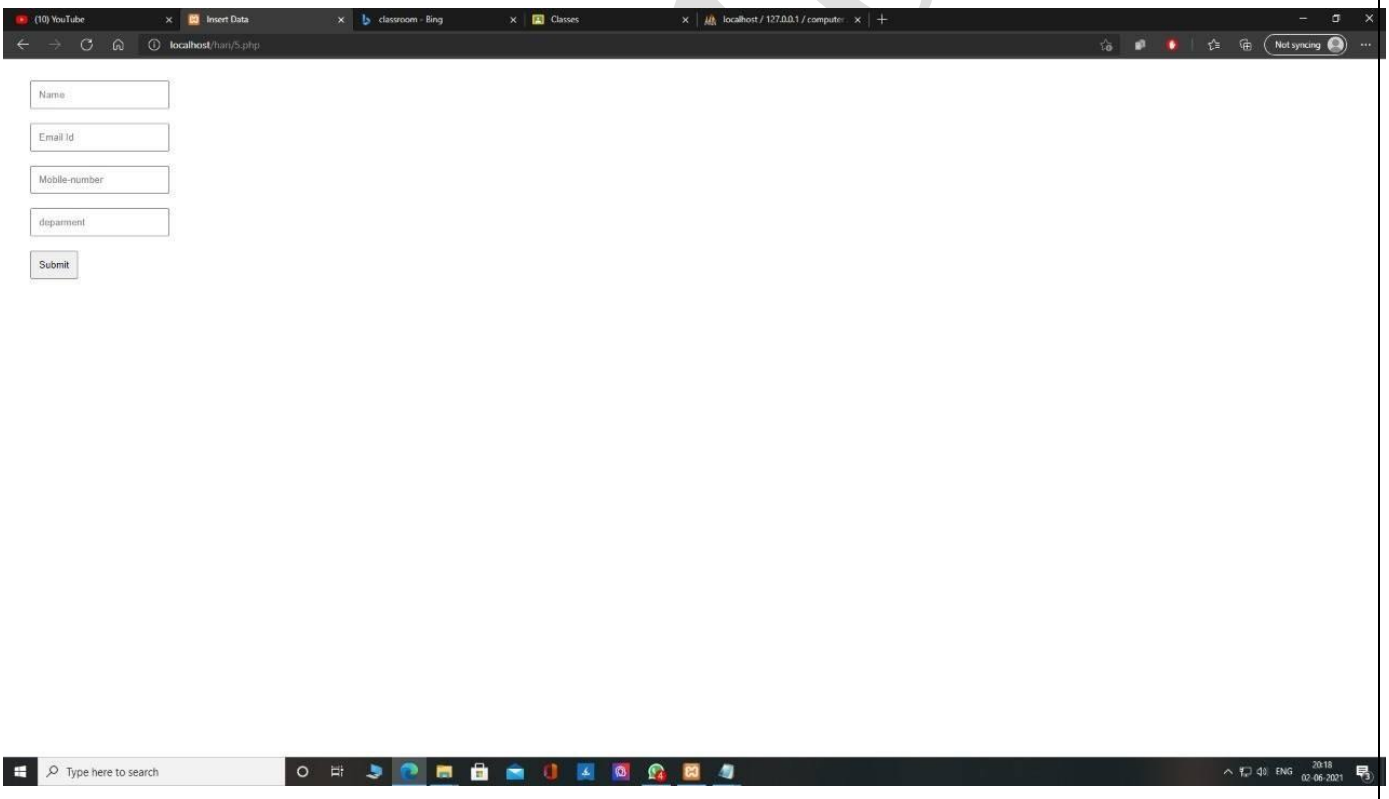
```
<form action="Main.php" method="POST">
<input type="text" name="Name" placeholder="Name"><br>
<input type="email" name="Email" placeholder="Email Id"><br>
<input type="mobile" name="Mobile" placeholder="Mobile-number"><br>
<input type="text" name="Department" placeholder="Department"><br>
<input type="submit" name="submit">
</form>

</body>
</html>
```

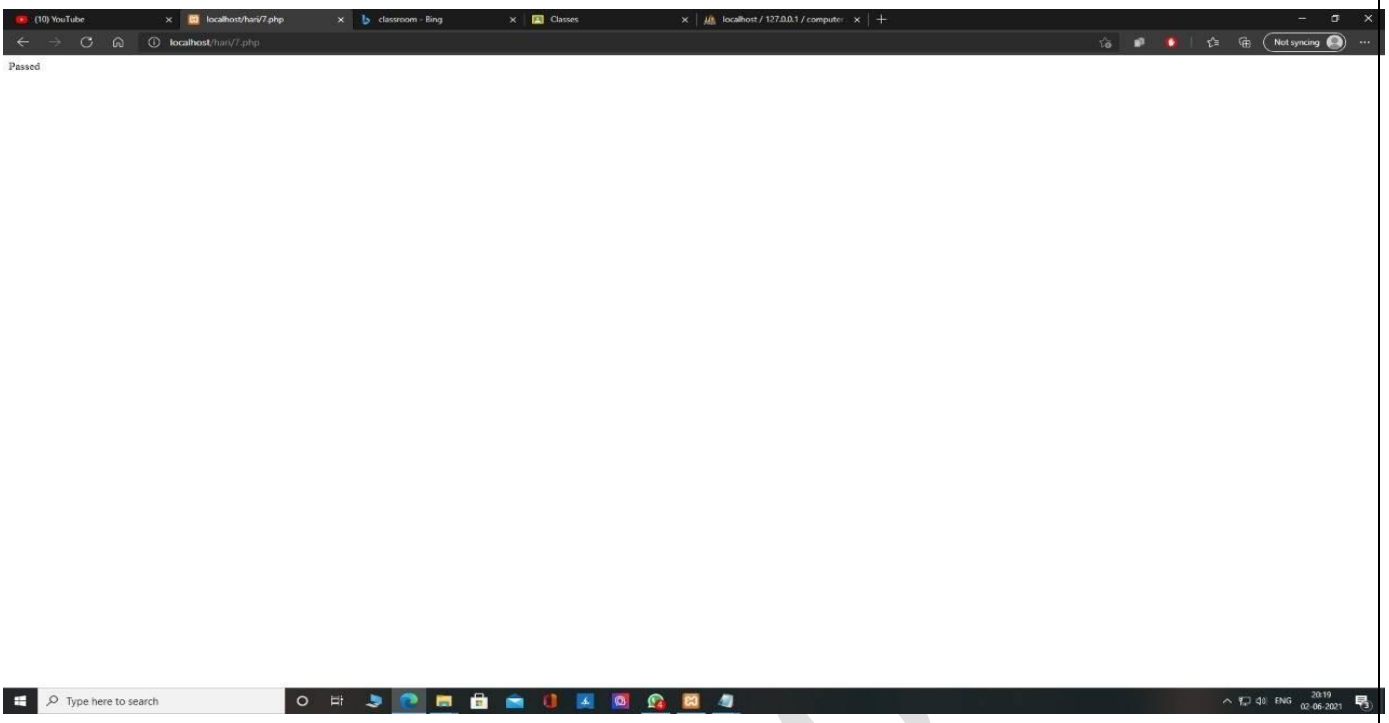
Main.php

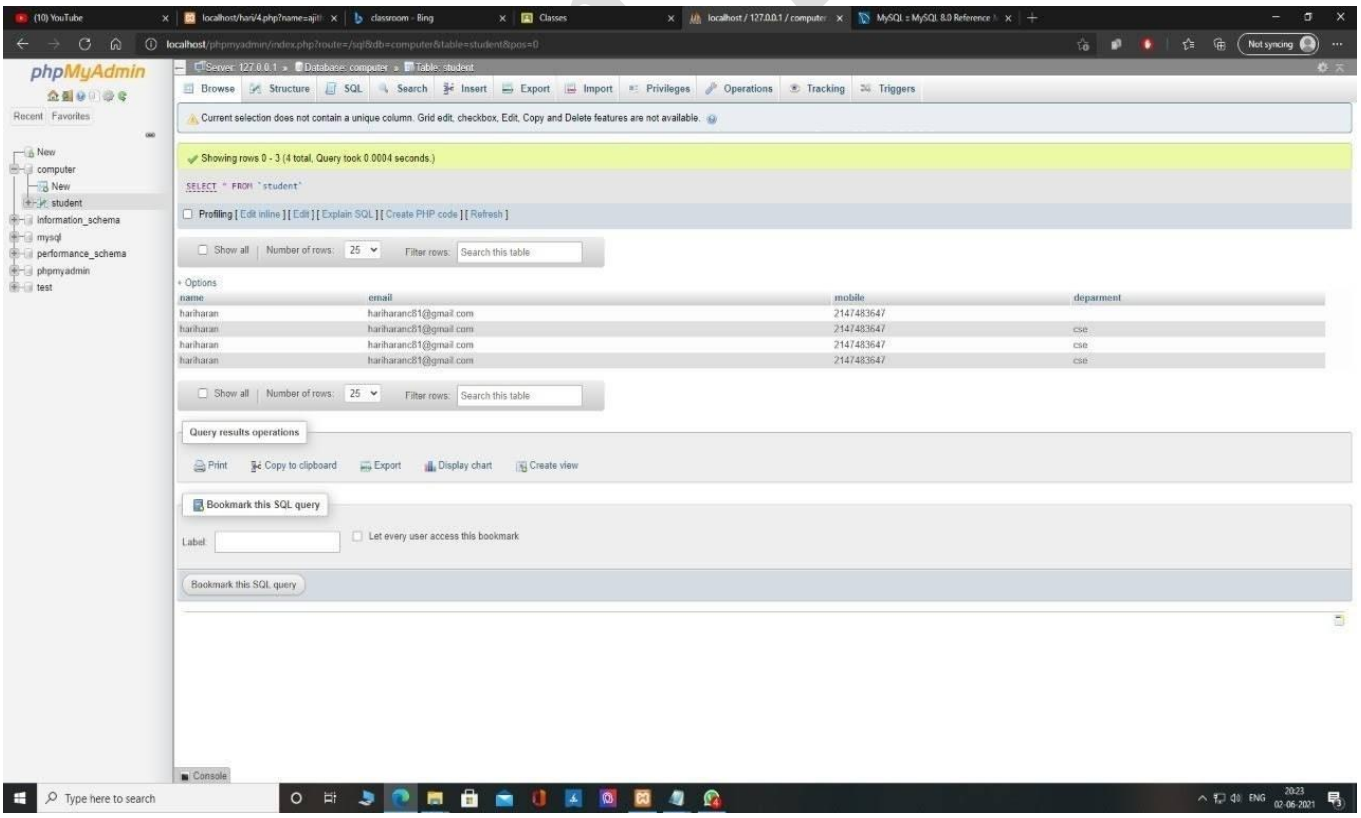
```
<?php

$con = mysqli_connect('localhost','root','');
if(!$con)
{
   echo "Not Connected to server";
}
if (!mysqli_select_db($con,'computer'))
{
   echo "Database is not selected";
}
$Name = $_POST['Name'];
$Email = $_POST['Email'];
$Mobile = $_POST['Mobile'];
$Department = $_POST['Department'];
$sql="INSERT INTO student (Name,Email,Mobile,Department) VALUES
('$Name','$Email','$Mobile','$Department')";
if (!mysqli_query($con,$sql))
```

```
{
   echo "Failed";
}
else
{
   echo "Passed";
}
header("refresh:2; url=insert.php");
?>
```

OUTPUT:




(10) YouTube
localhost/hari/7.php
classroom - Bing
Classes
localhost / 127.0.0.1 / computer
localhost/hari/7.php
Not syncing
Passed
Type here to search
ENG
20:19
02-06-2021


(10) YouTube
localhost/hari/4.php?name=ajith
classroom - Bing
Classes
localhost / 127.0.0.1 / computer
MySQL :: MySQL 8.0 Reference
localhost/phpmyadmin/index.php?route=/sql&db=computer&table=student&pos=0
Not syncing
phpMyAdmin
Recent
Favorites
New
computer
New
student
information_schema
mysql
performance_schema
phpmyadmin
test
Server: 127.0.0.1 » Database: computer » Table: student
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 3 (4 total, Query took 0.0004 seconds.)
SELECT * FROM `student`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this table
Options
name
email
mobile
deparment
hariharan
hariharanc81@gmail.com
2147483647
cse
Query results operations
Print
Copy to clipboard
Export
Display chart
Create view
Bookmark this SQL query
Label
Let every user access this bookmark
Console
Type here to search
ENG
20:23
02-06-2021

RESULT:

Hence, the 'PHP/MySQL' program to insert a record into a database table is executed and the output verified.

Ex.No : 12	TRACKING THE NUMBER OF VISITS MADE TO A PAGE
Date:	

AIM:

To write a 'PHP' program to track the number of visits made to a page.

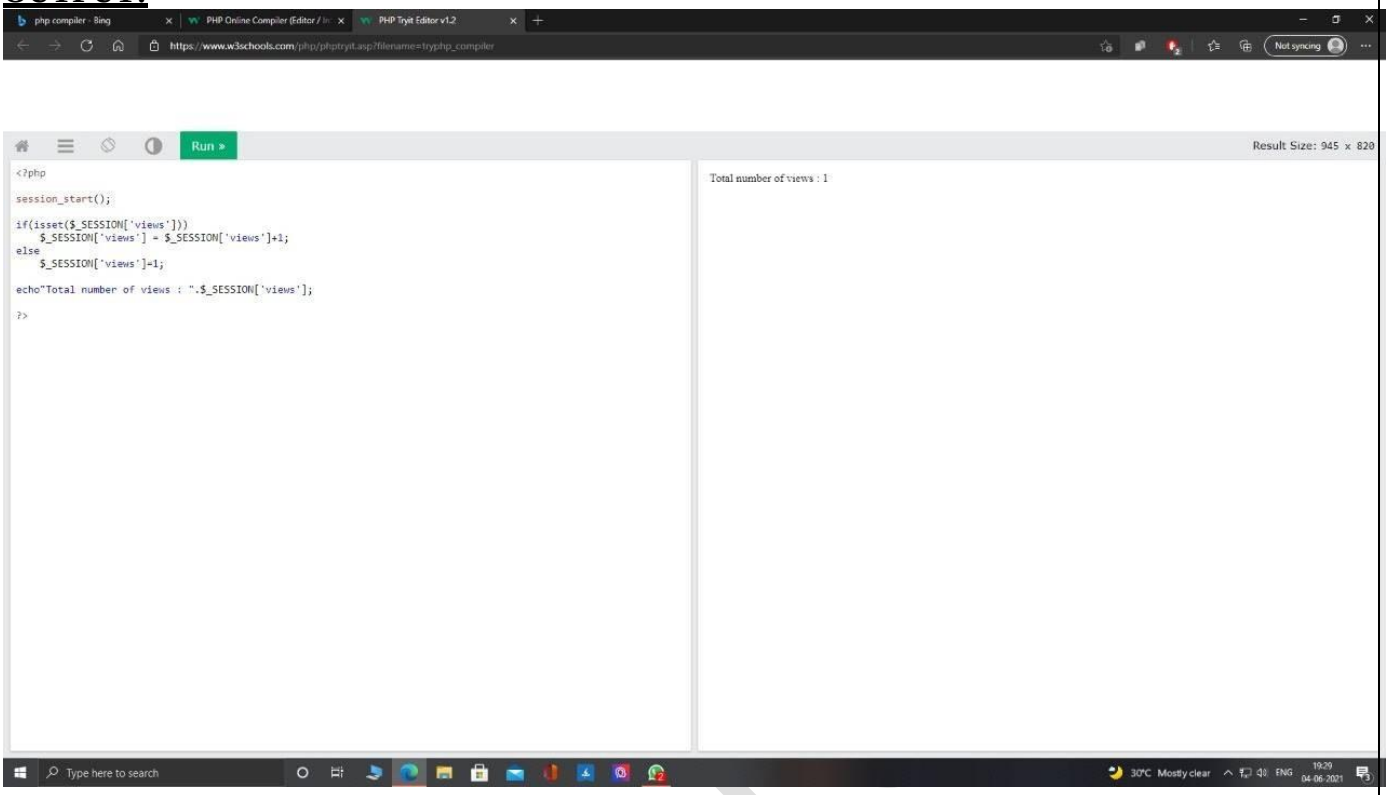
ALGORITHM:

1. Start
2. Initialize the session.
3. If the session isset is true, increment the counter value by 1, otherwise, do not alter the initial counter value which was 1.
4. Print the number of times the page was visited.
5. Stop.

PROGRAM:

```
<?php

session_start();

if(isset($_SESSION['views']))
   $_SESSION['views'] = $_SESSION['views']+1;
else
   $_SESSION['views']=1;

echo"Total number of views : ".$_SESSION['views'];

?>
```

OUTPUT:



RESULT:

Hence, the 'PHP' program to track the number of visits made to a page is executed and the output verified.