ACHARYA INSTITUTE OF GRADUATE STUDIES

(NAAC Re -Accredited 'A' and Affiliated to Bengaluru City University)

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DEPARTMENT COMPUTER APPLICATION

WEB PROGRAMMING

LAB MANUAL – NEP SYLLABUS

SEMESTER : V

COURSE CODE :CA-C25L

SYLLABUS

1. Create a form with the elements of Textboxes, Radio buttons, Checkboxes, and so on. Write JavaScript code to validate the format in email, and mobile number in 10 characters, If a textbox has been left empty, popup an alert indicating when email, mobile number and textbox has been left empty.

2. Develop an HTML Form, which accepts any Mathematical expression. Write JavaScript code to Evaluate the expression and Display the result.

3. Create a page with dynamic effects. Write the code to include layers and basic animation.

4. Write a JavaScript code to find the sum of N natural Numbers. (Use userdefined function)

5. Write a JavaScript code block using arrays and generate the current date in words, this should include the day, month and year.

6. Create a form for Student information. Write JavaScript code to find Total, Average, Result and Grade.

7. Create a form for Employee information. Write JavaScript code to find DA, HRA, PF, TAX, Gross pay, Deduction and Net pay.

8. Write a program in PHP to change background color based on day of the week using if else if statements and using arrays .

9. Write a simple program in PHP for i) generating Prime number ii) generate Fibonacci series.

10. Write a PHP program to remove duplicates from a sorted list

11. Write a PHP Script to print the following pattern on the Screen:

```
*****
****
***
**
*
```

12. Write a simple program in PHP for Searching of data by different criteria

13. Write a function in PHP to generate captcha code

14. Write a program in PHP to add, update and delete using student database.

15. Write a program in PHP to Validate Input

16. Write a program in PHP for setting and retrieving a cookie

17. Write a PHP program to Create a simple webpage of a college.

18. Write a program in PHP for exception handling for i) divide by zero ii) checking date format.

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PROGRAM NO -1

OBJECTIVE:

Create a form with the elements of Textboxes, Radio buttons, Checkboxes, and so on. Write JavaScript code to validate the format in email, and mobile number in 10 characters, If a textbox has been left empty, popup an alert indicating when email, mobile number and textbox has been left empty.

PROCEDURE:

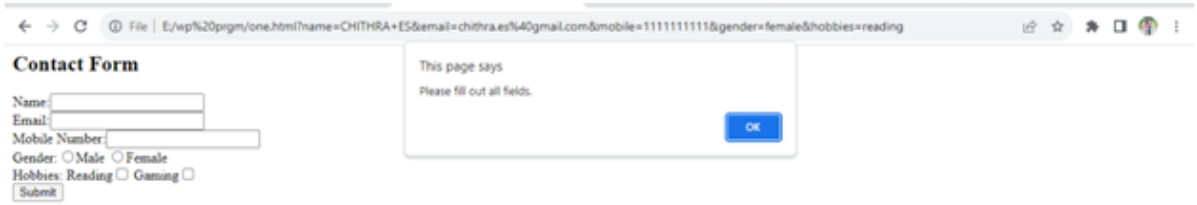
1. Open Notepad
2. Write JavaScript code
3. save file, and give it a name that ends with ".html" extension

SOURCE CODE:

```
<html>
<head>
   <title>Form Validation</title>
</head>
<body>
   <h2>Contact Form</h2>
   <form>
      Name:<input type="text" id="name" name="name"><br>
      Email:<input type="text" id="email" name="email"><br>
      Mobile Number:<input type="text" id="mobile" name="mobile"><br>
      Gender:<input type="radio" id="male" name="gender"value="male">Male
            <input type="radio" id="female" name="gender" value="female">Female<br>
      Hobbies: Reading<input type="checkbox" id="reading" name="hobbies"
value="reading">
            Gaming<input type="checkbox" id="gaming" name="hobbies" value="gaming">
      <br>
      <input type="submit" value="Submit" onclick="val()">
   </form>
   <script>
         function val()
         {
         var name = document.getElementById('name').value;
         var email = document.getElementById('email').value;
         var mobile = document.getElementById('mobile').value;
         if (name.trim()==''||email.trim()==''||mobile.trim()=='') {
            alert('Please fill out all fields.');
            return;
         }
```

```
            var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
            if (!emailRegex.test(email)) {
                alert('Please enter a valid email address.');
                return;
            }
                if (mobile.length !== 10 || isNaN(mobile)) {
                alert('Please enter a valid 10-digit mobile number.');
                return;
            }
            console.log('Form submitted successfully!');
        }
    </script>
</body>
</html>
```

OUTPUT:



Activate Windows
Go to Settings to activate Windows.

PROGRAM NO -2

OBJECTIVE:

Develop an HTML Form, which accepts any Mathematical expression. Write JavaScript code to Evaluate the expression and Display the result.

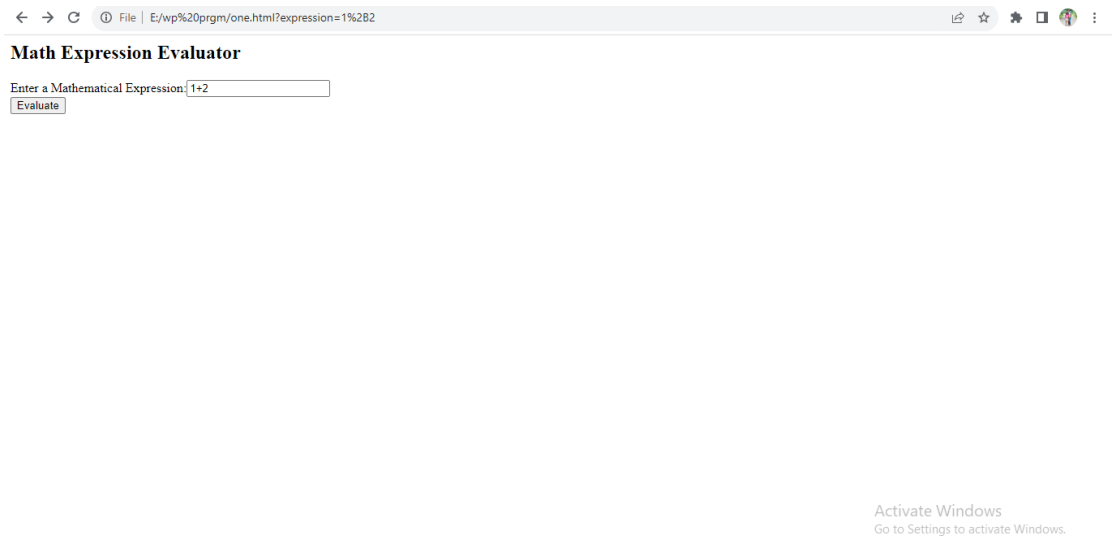
PROCEDURE:

1. Open Notepad
2. Write JavaScript code
3. save file, and give it a name that ends with ".html" extension

SOURCE CODE:

```
<html>
<head>
<title>Math Expression Evaluator</title>
</head>
<body>
<h2>Math Expression Evaluator</h2>
<form>
Enter a Mathematical Expression:<input type="text" id="expression" name="expression"><br>
<input type="submit" value="Evaluate" onClick="evaluateExpression()">
</form>
<script>
function evaluateExpression() {
var expressionInput=document.getElementById('expression').value;
var res=eval(expressionInput);
document.write("Result="+res);
}
</script>
</body>
</html>
```

OUTPUT:


File | E:/wp%20prgm/one.html?expression=1%2B2
Math Expression Evaluator
Enter a Mathematical Expression: 1+2
Evaluate
Activate Windows
Go to Settings to activate Windows.

PROGRAM NO -3

OBJECTIVE:

Create a page with dynamic effects. Write the code to include layers and basic animation.

PROCEDURE:

1. Open Notepad
2. Write JavaScript code
3. save file, and give it a name that ends with ".html" extension

SOURCE CODE:

```
<head>
    <title>Dynamic Effects Page</title>
   <style>
      body {
         margin: 0;
         overflow: hidden;
      }
     .layer {
         position: absolute;
         width: 100%;
         height: 100%;
         transition: transform 1s ease-in-out;
      }
      #layer1 {
         transform: translateY(-100%);
         background-color:red;
      }
      #layer2 {
         transform: translateY(100%);
         background-color:green;
      }

   </style>
</head>
<body>
   <div class="layer" id="layer1"></div>
   <div class="layer" id="layer2"></div>
   <script>
      document.addEventListener('DOMContentLoaded', function() {
         // Animate layers on page load
         animateLayer('layer1', 0);
         animateLayer('layer2', 0);
```

```
        });
        function animateLayer(layerId, delay) {
            var layer = document.getElementById(layerId);
            // Use setTimeout to create a delay before applying the animation
            setTimeout(function() {
                // Apply animation by setting transform to translateY(0)
                layer.style.transform = 'translateY(0)';
            }, delay);
        }
    </script>
</body>
</html>
```

OUTPUT:

PROGRAM NO -4

OBJECTIVE:

Write a JavaScript code to find the sum of N natural Numbers. (Use userdefined function).

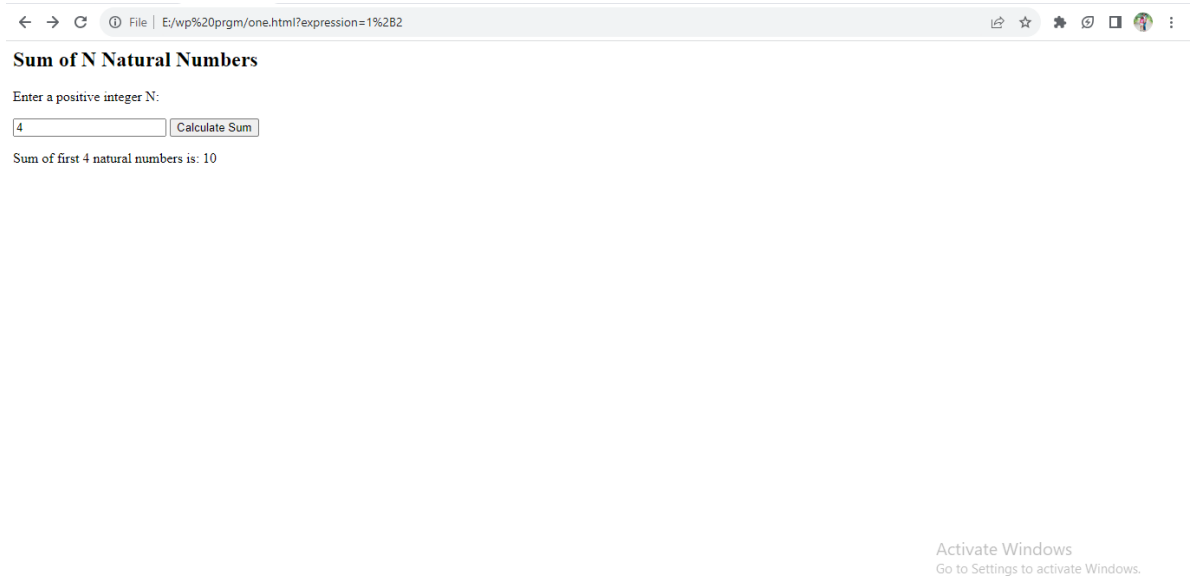
PROCEDURE:

1. Open Notepad
2. Write JavaScript code
3. save file, and give it a name that ends with ".html" extension

SOURCE CODE:

```
<html>
<head>
   <title>Sum of N Natural Numbers</title>
</head>
<body>
   <h2>Sum of N Natural Numbers</h2>
   <p>Enter a positive integer N:</p>
   <input type="number" id="inputNumber">
   <button onclick="calculateSum()">Calculate Sum</button>
   <p id="result"></p>
   <script>
      function calculateSum() {
         var n = document.getElementById('inputNumber').value;
         if (n <= 0) {
            alert('Please enter a positive integer.');
            return;
         }
         n = Number(n);
         // Calculate the sum using the formula for the sum of first N natural numbers
         var sum = (n * (n + 1)) / 2;
         document.getElementById('result').innerHTML = 'Sum of first ' + n + ' natural numbers
       is: ' + sum;
      }
   </script>
</body>
</html>
```

OUTPUT:


File | E:/wp%20prgm/one.html?expression=1%2B2
Sum of N Natural Numbers
Enter a positive integer N:
4
Calculate Sum
Sum of first 4 natural numbers is: 10
Activate Windows
Go to Settings to activate Windows.

PROGRAM NO -5

OBJECTIVE:

Write a JavaScript code block using arrays and generate the current date in words, this should include the day, month and year.

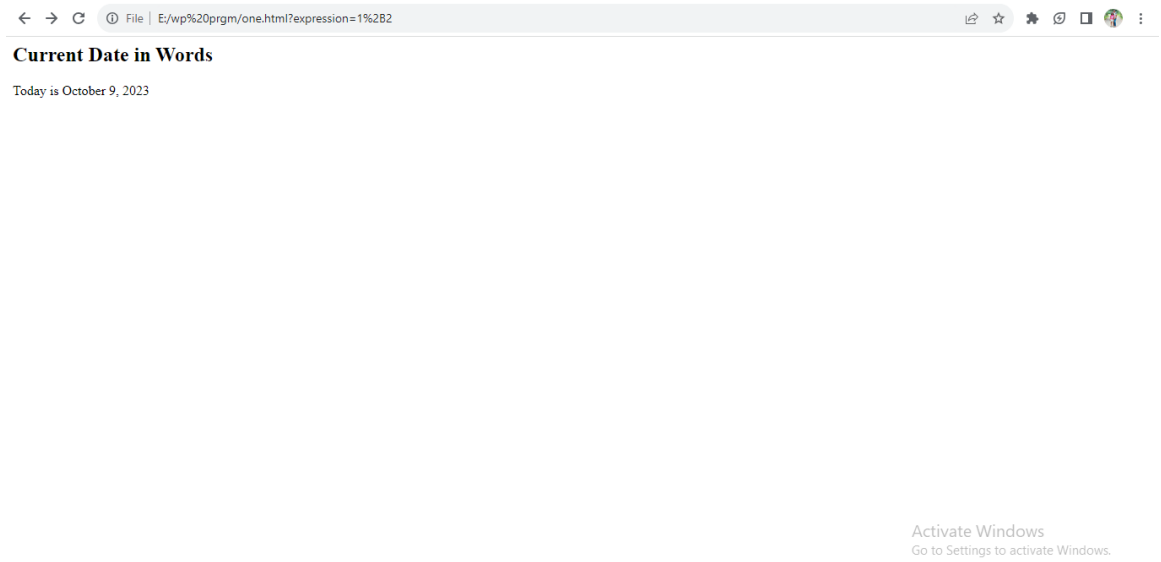
PROCEDURE:

1. Open Notepad
2. Write JavaScript code
3. save file, and give it a name that ends with ".html" extension

SOURCE CODE:

```
<html>
<head>
   <title>Current Date in Words</title>
</head>
<body>
   <h2>Current Date in Words</h2>
   <p id="currentDate"></p>
     <script>
      // Array of month names
      var monthNames = ['January', 'February', 'March', 'April', 'May', 'June', 'July', 'August',
         'September', 'October', 'November', 'December'];
      // Get the current date
      var currentDate = new Date();
      // Get day, month, and year components
      var day = currentDate.getDate();
      var monthIndex = currentDate.getMonth();
      var year = currentDate.getFullYear();
      // Get the month name from the array
      var monthName = monthNames[monthIndex];
      // Display the current date in words
      var currentDateInWords = 'Today is ' + monthName + ' ' + day + ', ' + year;
      document.getElementById('currentDate').innerText = currentDateInWords;
   </script>
</body>
</html>
```

OUTPUT:


File | E:/wp%20prgm/one.html?expression=1%2B2
Current Date in Words
Today is October 9, 2023
Activate Windows
Go to Settings to activate Windows.

PROGRAM NO -6

OBJECTIVE:

Create a form for Student information. Write JavaScript code to find Total, Average, Result and Grade.

PROCEDURE:

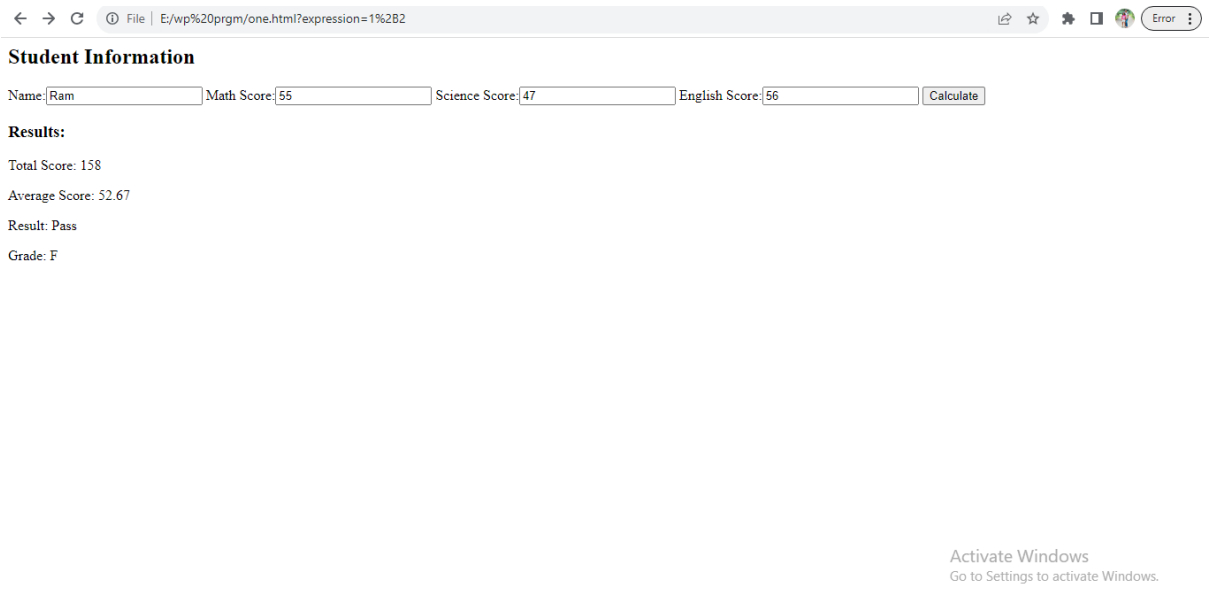
1. Open Notepad
2. Write JavaScript code
3. save file, and give it a name that ends with ".html" extension

SOURCE CODE:

```
<html>
<head>
   <title>Student Information Form</title>
</head>
<body>
   <h2>Student Information</h2>
   <form>
      Name:<input type="text" id="name" name="name">
      Math Score:<input type="number" id="math" name="math">
      Science Score:<input type="number" id="science" name="science">
      English Score:<input type="number" id="english" name="english" required>
      <input type="button" value="Calculate" onclick="calculateResults()">
   </form>
   <h3>Results:</h3>
   <p>Total Score: <span id="total"></span></p>
   <p>Average Score: <span id="average"></span></p>
   <p>Result: <span id="result"></span></p>
   <p>Grade: <span id="grade"></span></p>
   <script>
      function calculateResults() {
         var math = parseFloat(document.getElementById('math').value);
         var science = parseFloat(document.getElementById('science').value);
         var english = parseFloat(document.getElementById('english').value);
         // Validate if the scores are valid numbers
         if(isNaN(math) || isNaN(science) || isNaN(english)){
            alert('Please enter valid numeric scores.');
            return;
         }
         // Calculate total, average, result, and grade
         var total = math + science + english;
         var average = total / 3;
         var result = (average >= 40) ? 'Pass' : 'Fail';
```

```
            var grade;
            if (average >= 90) {
                grade = 'A';
            } else if (average >= 80) {
                grade = 'B';
            } else if (average >= 70) {
                grade = 'C';
            } else if (average >= 60) {
                grade = 'D';
            } else {
                grade = 'F';
            }
            document.getElementById('total').innerText = total;
            document.getElementById('average').innerText = average.toFixed(2);
            document.getElementById('result').innerText = result;
            document.getElementById('grade').innerText = grade;
        }
    </script>
</body>
</html>
```

OUTPUT:



PROGRAM NO -7

OBJECTIVE:

Create a form for Employee information. Write JavaScript code to find DA, HRA, PF, TAX, Gross pay, Deduction and Net pay.

PROCEDURE:

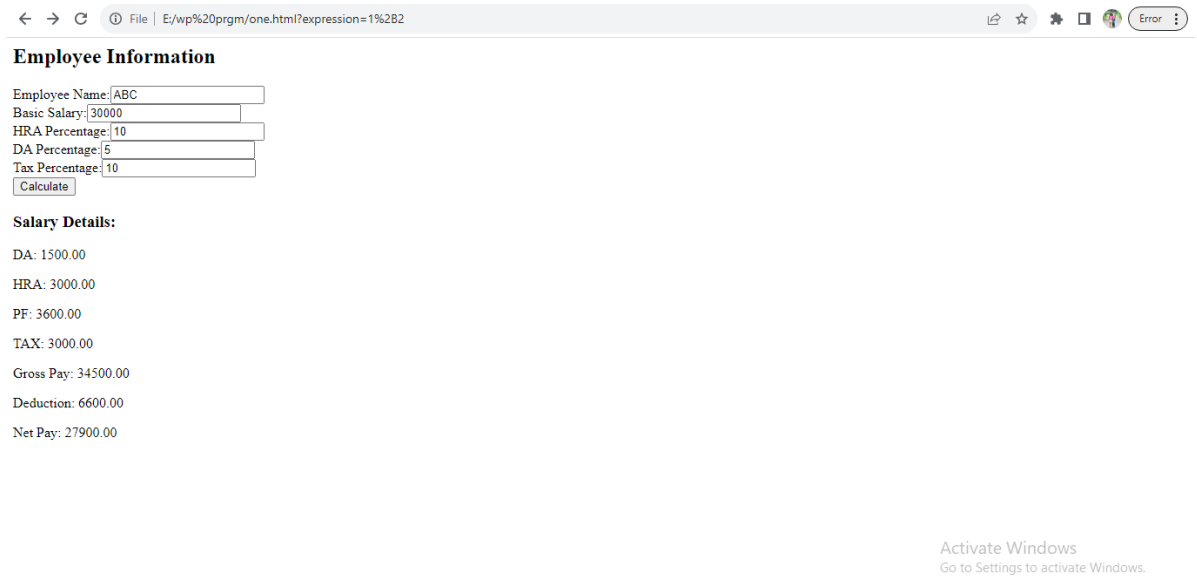
1. Open Notepad
2. Write JavaScript code
3. save file, and give it a name that ends with ".html" extension

SOURCE CODE:

```
<html>
<head>
   <title>Employee Information Form</title>
</head>
<body>
   <h2>Employee Information</h2>
   <form>
      Employee Name:<input type="text" id="employeeName"
    name="employeeName"><br>
      Basic Salary:<input type="number" id="basicSalary" name="basicSalary"><br>
      HRA Percentage:<input type="number" id="hraPercentage"
    name="hraPercentage"><br>
      DA Percentage:<input type="number" id="daPercentage" name="daPercentage"><br>
      Tax Percentage:<input type="number" id="taxPercentage" name="taxPercentage"
    required><br>
      <input type="button" value="Calculate" onclick="calculateSalary()">
   </form>
   <h3>Salary Details:</h3>
   <p>DA: <span id="da"></span></p>
   <p>HRA: <span id="hra"></span></p>
   <p>PF: <span id="pf"></span></p>
   <p>TAX: <span id="tax"></span></p>
   <p>Gross Pay: <span id="grossPay"></span></p>
   <p>Deduction: <span id="deduction"></span></p>
   <p>Net Pay: <span id="netPay"></span></p>
   <script>
      function calculateSalary() {
         var basicSalary = parseFloat(document.getElementById('basicSalary').value);
         var hraPercentage = parseFloat(document.getElementById('hraPercentage').value);
         var daPercentage = parseFloat(document.getElementById('daPercentage').value);
         var taxPercentage = parseFloat(document.getElementById('taxPercentage').value);
```

```
        if (isNaN(basicSalary) || isNaN(hraPercentage) || isNaN(daPercentage) ||
    isNaN(taxPercentage)) {
            alert('Please enter valid numeric values.');
            return;
        }
        var da = (daPercentage / 100) * basicSalary;
        var hra = (hraPercentage / 100) * basicSalary;
        var pf = 0.12 * basicSalary;  // Assuming PF is 12% of basic salary
        var tax = (taxPercentage / 100) * basicSalary;
        var grossPay = basicSalary + da + hra;
        var deduction = pf + tax;
        var netPay = grossPay - deduction;
        // Display the results on the page
        document.getElementById('da').innerText = da.toFixed(2);
        document.getElementById('hra').innerText = hra.toFixed(2);
        document.getElementById('pf').innerText = pf.toFixed(2);
        document.getElementById('tax').innerText = tax.toFixed(2);
        document.getElementById('grossPay').innerText = grossPay.toFixed(2);
        document.getElementById('deduction').innerText = deduction.toFixed(2);
        document.getElementById('netPay').innerText = netPay.toFixed(2);
    }
  </script>
</body>
</html>
```

OUTPUT:



PROGRAM NO -8

OBJECTIVE:

Write a program in PHP to change background color based on day of the week using if else if statements and using arrays .

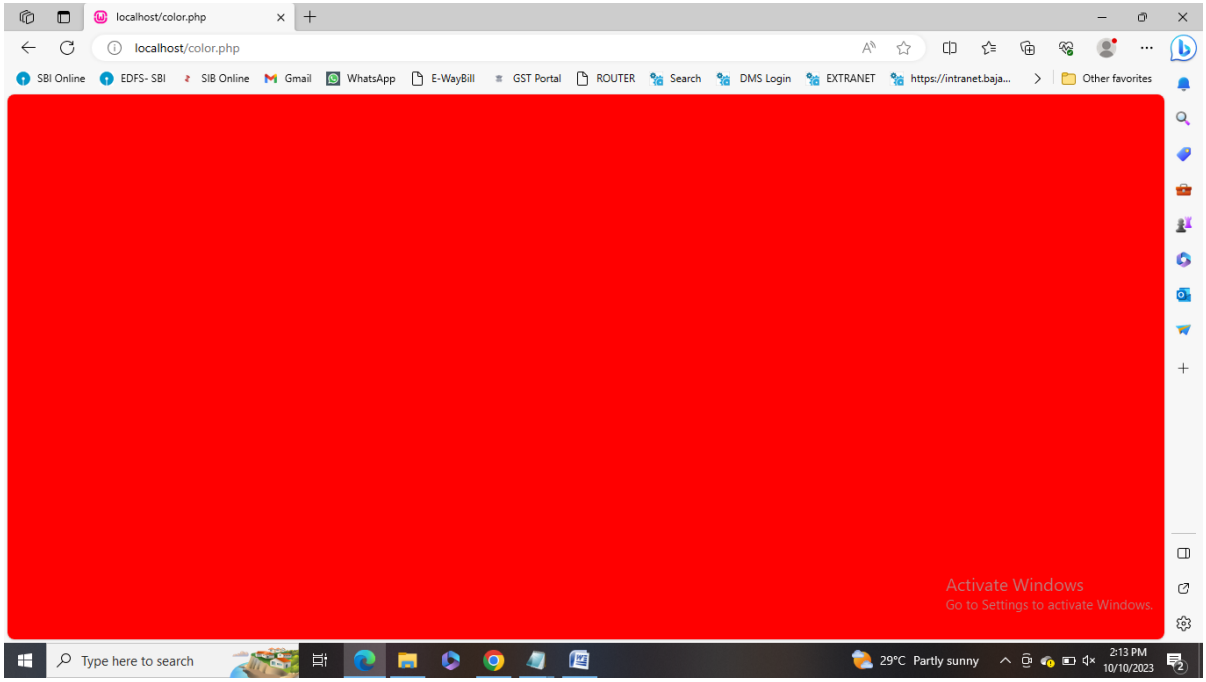
PROCEDURE:

1. Open Notepad
2. Write php code
3. save file in C:\wamp64\www, and give it a name that ends with ".php" extension
4. Open WAMP
5. Type localhost/filename.php

SOURCE CODE:

```
<?php
$days=array(0=>"blue",1=>"green", 2=>"red", 3=>"purple", 4=>"yellow", 5=>"cyan",
6=>"orange");
$today = date('w');
      $defaultColor = '#FFFFFF';
         if (array_key_exists($today, $days)) {
               echo '<body style="background-color:' . $days[$today] . '">';
      } else {
         return $defaultColor;
      }
?>
```

OUTPUT:


localhost/color.php
localhost/color.php
SBI Online
EDFS- SBI
SIB Online
Gmail
WhatsApp
E-WayBill
GST Portal
ROUTER
Search
DMS Login
EXTRANET
https://intranet.baja...
Other favorites
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C Partly sunny
2:13 PM
10/10/2023

PROGRAM NO -9

OBJECTIVE:

Write a simple program in PHP for i) generating Prime number ii) generate Fibonacci series.

PROCEDURE:

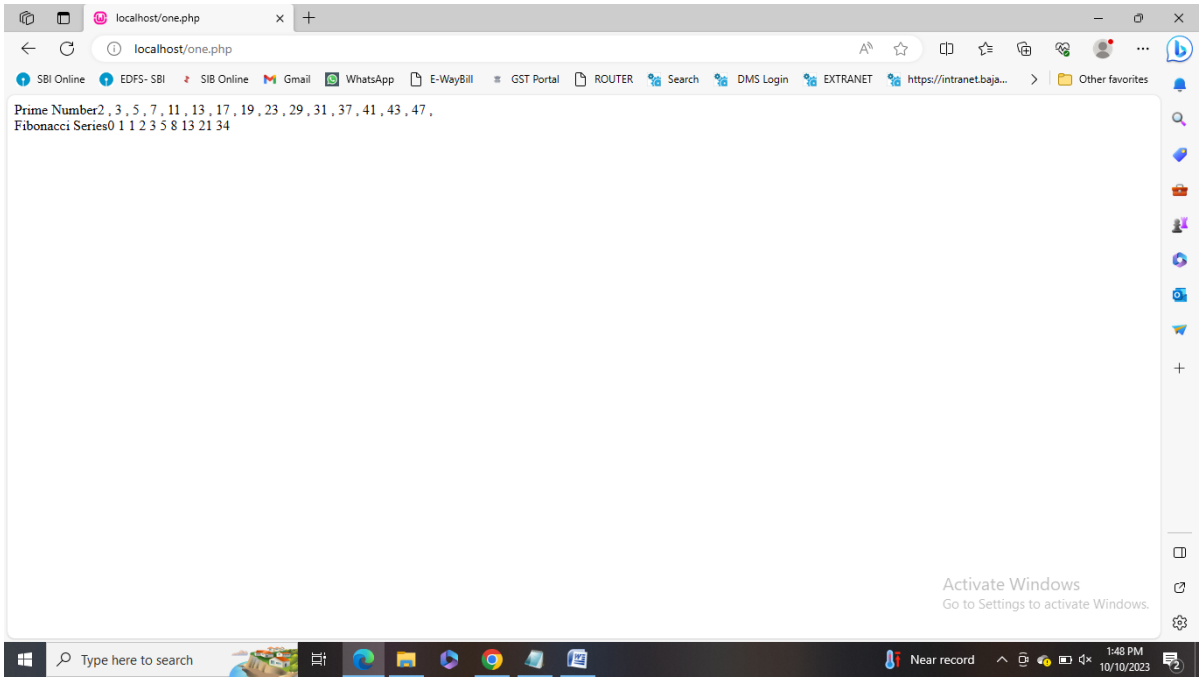
1. Open Notepad
2. Write php code
3. save file in C:\wamp64\www, and give it a name that ends with ".php" extension
4. Open WAMP
5. Type localhost/filename.php

SOURCE CODE:

```
<?php
echo "Prime Number";
$count=0;
$num=2;
while($count<15)
{
$div_count=0;
for($i=1;$i<=$num;$i++)
{
if(($num%$i)==0)
{
$div_count++;
}
}
if($div_count<3)
{
echo $num." , ";
$count=$count+1;
}
$num=$num+1;
}
      echo "<br>Fibonacci Series";
      $num1=0;
      $num2=1;
      echo $num1 . ' ' . $num2 . ' ';
      for ($i=2;$i<10;$i++) {
         $num3=$num1 + $num2;
         echo $num3 . ' ';
         $num1=$num2;
         $num2=$num3;
      }
```

```
?>
```

OUTPUT:


localhost/one.php
localhost/one.php
SBI Online
EDFS- SBI
SIB Online
Gmail
WhatsApp
E-WayBill
GST Portal
ROUTER
Search
DMS Login
EXTRANET
https://intranet.baja...
Other favorites
Prime Number2 , 3 , 5 , 7 , 11 , 13 , 17 , 19 , 23 , 29 , 31 , 37 , 41 , 43 , 47 ,
Fibonacci Series0 1 1 2 3 5 8 13 21 34
Activate Windows
Go to Settings to activate Windows.
Type here to search
Near record
1:48 PM
10/10/2023

PROGRAM NO -10

OBJECTIVE:

Write a PHP program to remove duplicates from a sorted list.

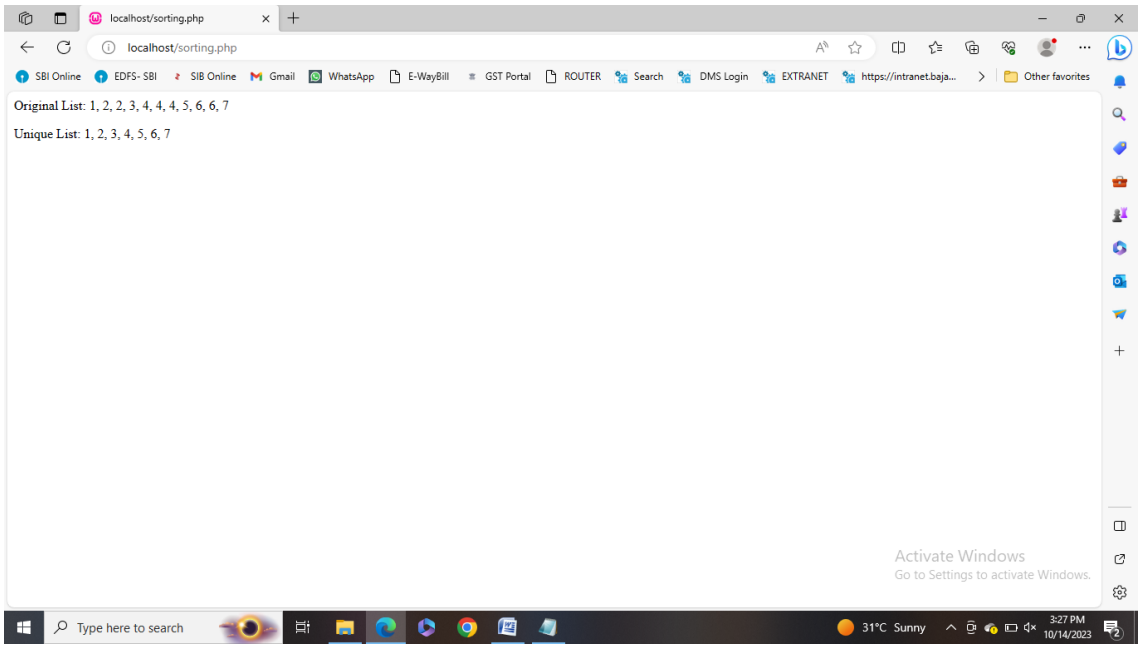
PROCEDURE:

1. Open Notepad
2. Write php code
3. save file in C:\wamp64\www, and give it a name that ends with ".php" extension
4. Open WAMP
5. Type localhost/filename.php

SOURCE CODE:

```
<?php
   function removeDuplicates($sortedList) {
      $length = count($sortedList);
      if ($length <= 1) {
         return $sortedList;
      }
      $uniqueList = [$sortedList[0]];
      for ($i = 1; $i < $length; $i++) {
         // Compare with the previous element
         if ($sortedList[$i] != $sortedList[$i - 1]) {
            $uniqueList[] = $sortedList[$i];
         }
      }
      return $uniqueList;
   }
   $sortedList = [1, 2, 2, 3, 4, 4, 4, 5, 6, 6, 7];
   $uniqueList = removeDuplicates($sortedList);
   echo '<p>Original List: ' . implode(', ', $sortedList) . '</p>';
   echo '<p>Unique List: ' . implode(', ', $uniqueList) . '</p>';
?>
```

OUTPUT:


localhost/sorting.php
localhost/sorting.php
SBI Online
EDFS- SBI
SIB Online
Gmail
WhatsApp
E-WayBill
GST Portal
ROUTER
Search
DMS Login
EXTRANET
https://intranet.baja...
Other favorites
Original List: 1, 2, 2, 3, 4, 4, 4, 5, 6, 6, 7
Unique List: 1, 2, 3, 4, 5, 6, 7
Activate Windows
Go to Settings to activate Windows.
Type here to search
31°C Sunny
3:27 PM
10/14/2023

PROGRAM NO -11

OBJECTIVE:

Write a PHP Script to print the following pattern on the Screen:

*****
****
***
**
*

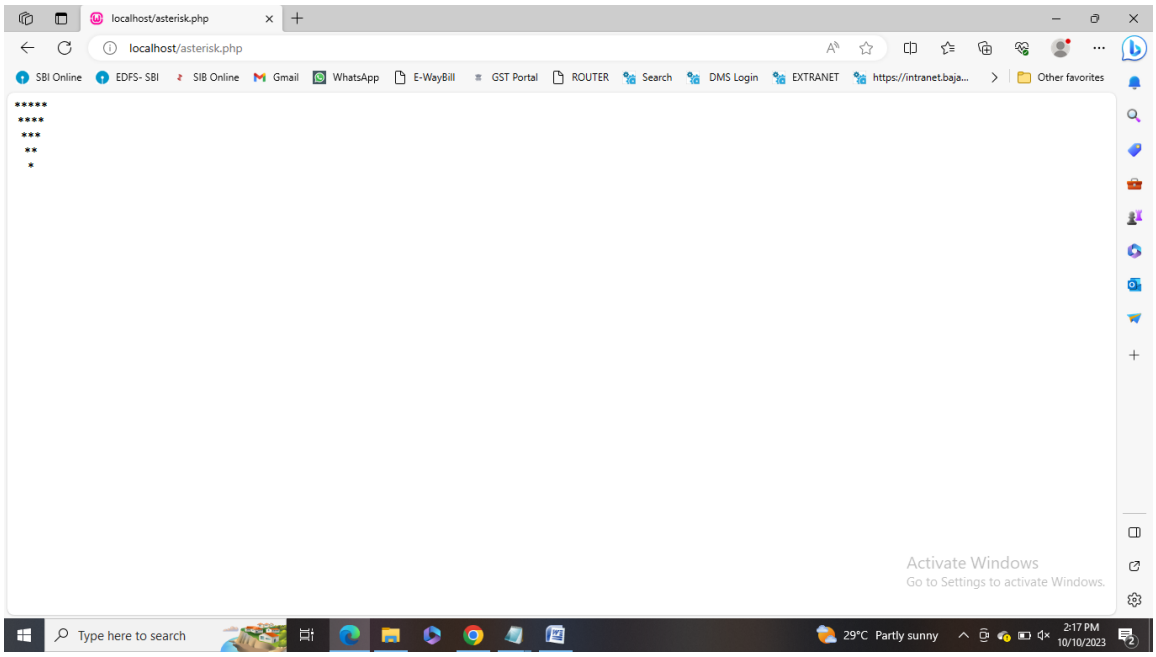
PROCEDURE:

1. Open Notepad
2. Write php code
3. save file in C:\wamp64\www, and give it a name that ends with ".php" extension
4. Open WAMP
5. Type localhost/filename.php

SOURCE CODE:

```
<?php
   $rows = 5;
   for ($i = 1; $i <= $rows; $i++) {
         for ($j = 1; $j < $i; $j++) {
         echo " ";
      }
         for ($k = $i; $k <= $rows; $k++) {
         echo "*";
      }
      echo "<br>";
   }
   ?>
```

OUTPUT:


localhost/asterisk.php
*****
****
***
**
*
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C Partly sunny
2:17 PM
10/10/2023

PROGRAM NO -12

OBJECTIVE:

Write a simple program in PHP for Searching of data by different criteria

PROCEDURE:

1. Open Notepad
2. Write php code
3. save file in C:\wamp64\www, and give it a name that ends with ".php" extension
4. Open WAMP
5. Type localhost/filename.php

SOURCE CODE:

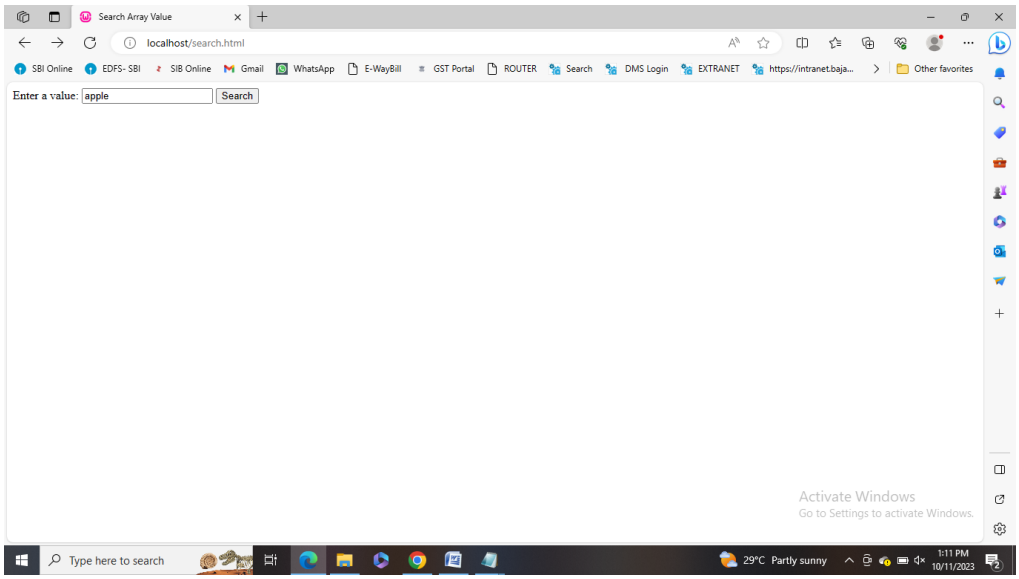
search.html

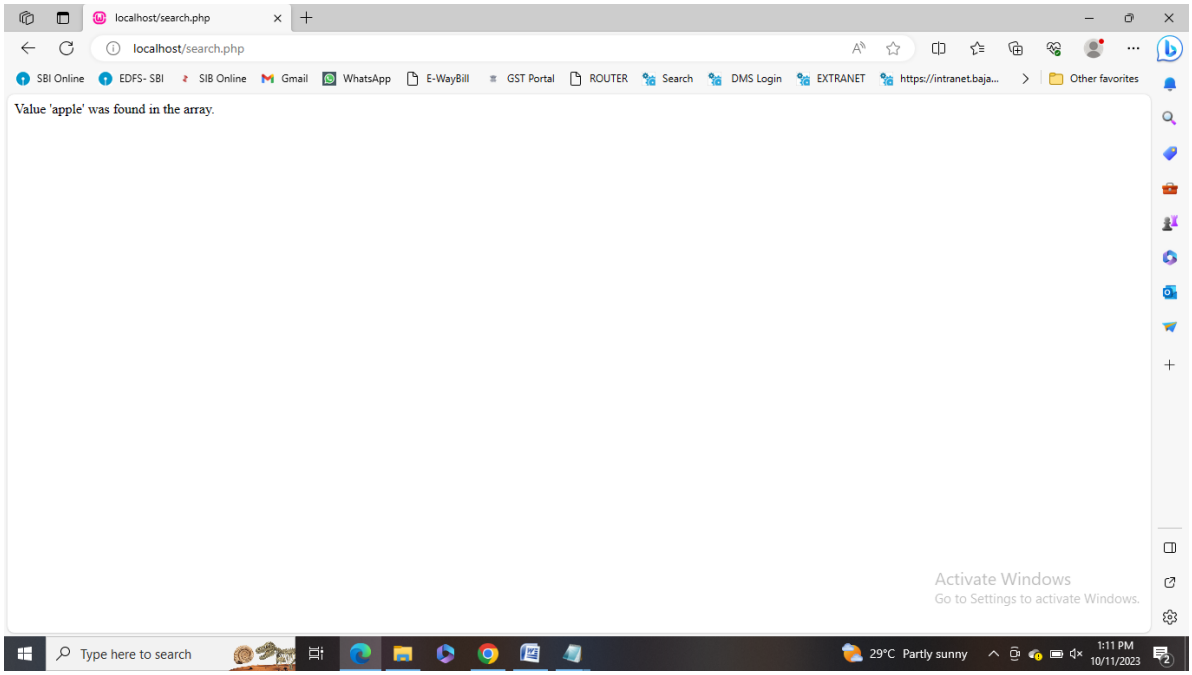
```
<html>
<head>
   <title>Search Array Value</title>
</head>
<body>
   <form method="post" action="search.php">
      Enter a value: <input type="text" name="search_value">
      <input type="submit" value="Search">
   </form>
</body>
</html>
```

search.php

```
<?php
   $array=array("apple", "banana", "cherry", "date", "elderberry", "fig", "grape");
   $search_value=$_POST["search_value"];
   if(in_array($search_value, $array)) {
      echo "Value '$search_value' was found in the array.";
   } else {
      echo "Value '$search_value' was not found in the array.";
   }
?>
```

OUTPUT:


Search Array Value
localhost/search.html
Enter a value: apple
Search
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C Partly sunny
1:11 PM
10/11/2023


localhost/search.php
Value 'apple' was found in the array.
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C Partly sunny
1:11 PM
10/11/2023

PROGRAM NO -13

OBJECTIVE:

Write a function in PHP to generate captcha code

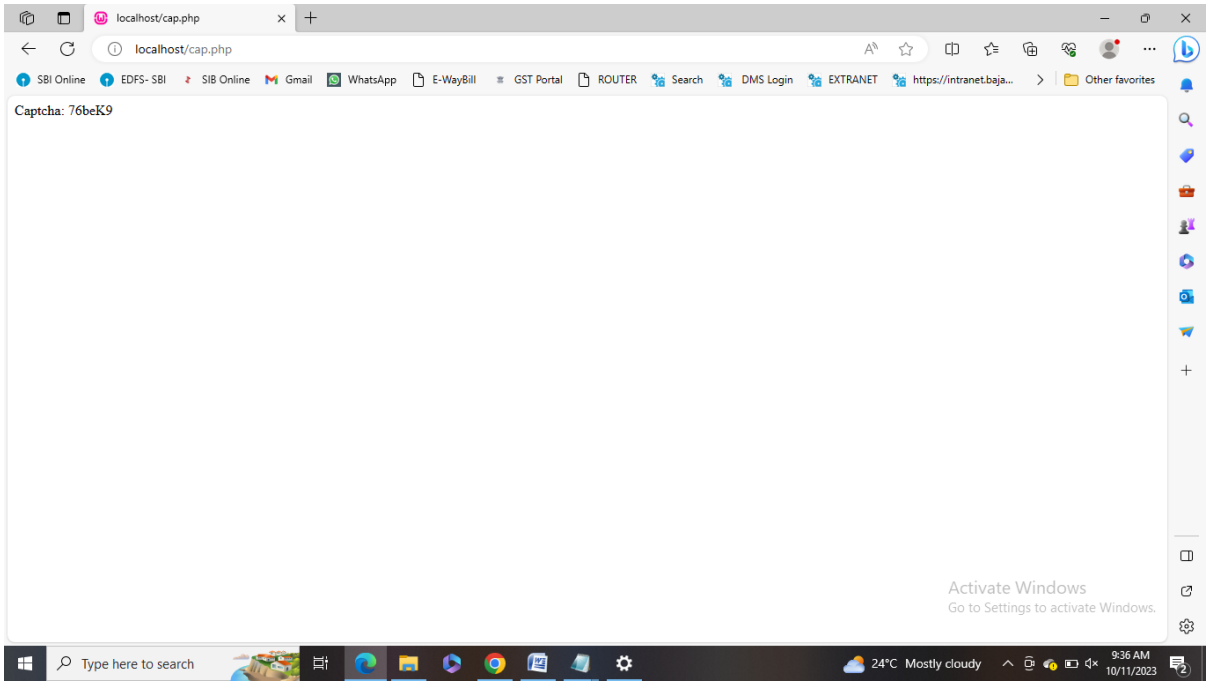
PROCEDURE:

1. Open Notepad
2. Write php code
3. save file in C:\wamp64\www, and give it a name that ends with ".php" extension
4. Open WAMP
5. Type localhost/filename.php

SOURCE CODE:

```
<?php
function generateCaptcha($length) {
   // Generate a random alphanumeric string of the specified length

$characters='ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz01234567
89';
   $captcha='';
   for($i=0;$i<$length;$i++) {
      $captcha .=$characters[rand(0,strlen($characters)-1)];
   }
   echo "Captcha: $captcha";
}
$captchaCode=generateCaptcha(6);
?>
```

OUTPUT:


localhost/cap.php
localhost/cap.php
SBI Online
EDFS- SBI
SIB Online
Gmail
WhatsApp
E-WayBill
GST Portal
ROUTER
Search
DMS Login
EXTRANET
https://intranet.baja...
Other favorites
Captcha: 76beK9
Activate Windows
Go to Settings to activate Windows.
Type here to search
24°C Mostly cloudy
9:36 AM
10/11/2023

PROGRAM NO -14

OBJECTIVE:

Write a program in PHP to add, update and delete using student database.

PROCEDURE:

1. Open Notepad
2. Write php code
3. save file in C:\wamp64\www, and give it a name that ends with ".php" extension
4. Open WAMP
5. Type localhost/filename.php

SOURCE CODE:

stud.html

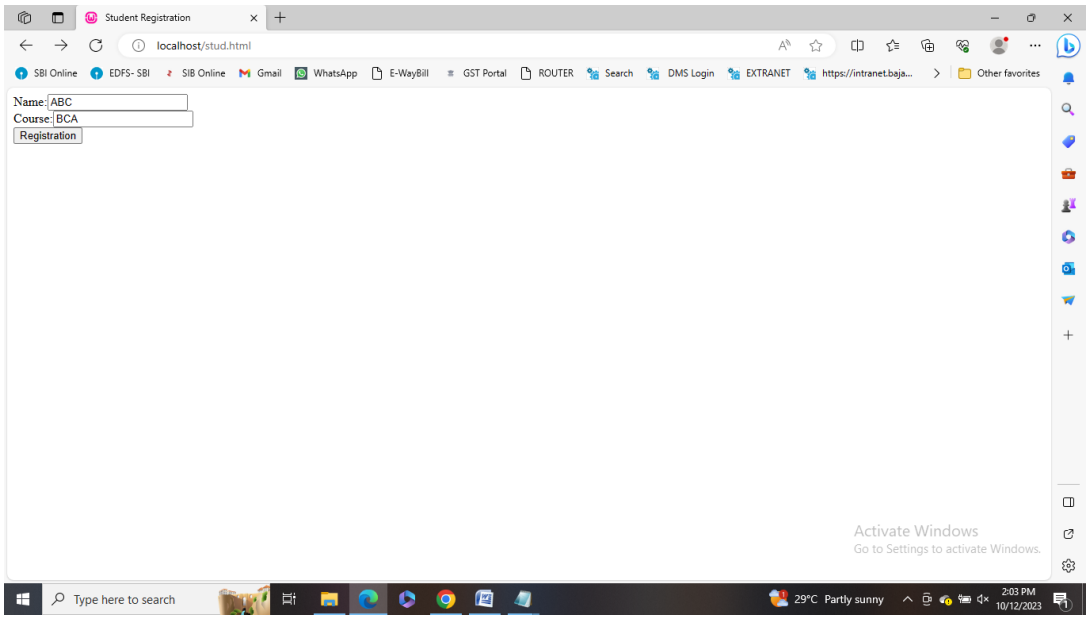
```
<html>
<head>
<title>Student Registration</title>
</head>
<body>
<form method="GET" action="stud.php">
Name:<input type="text" name="txt_name"><br>
Course:<input type="text" name="txt_course"><br>
<input type="submit" value="Registration">
</form>
</body>
</html>
```

stud.php

```
<?php
$n=$_GET['txt_name'];
$c=$_GET['txt_course'];
//create database connection
$con=mysqli_connect('localhost','root','');
if(!$con)
{
   die("Not connected".mysqli_error($con));
}
echo "Connected successfully<br>";
//create database
$sql1="create database db_new";
$rt1=mysqli_query($con,$sql1);
if(!$rt1)
```

```
{
  die("Cannot create database".mysqli_error($con));
}
echo "Database Created<br>";
mysqli_select_db($con,'db_new');
//Create table
$sql2="create table student(name varchar(20) not null,course varchar(10))";
$rt2=mysqli_query($con,$sql2);
if(!$rt2)
{
  die("Cannot create table".mysqli_error($con));
}
echo "Table Created<br>";
//insert value into table
$sql3="insert into student(name,course)values('$n','$c')";
$rt3=mysqli_query($con,$sql3);
if(!$rt3)
{
  die("Cannot insert value into table".mysqli_error($con));
}
echo "Value inserted<br>";
//update value
$sql4="update student set course='BCA'";
$rt4=mysqli_query($con,$sql4);
if(!$rt4)
{
  die("Cannot update".mysqli_error($con));
}
echo "Value Updated<br>";
//delete data
$sql5="Delete from student";
$rt5=mysqli_query($con,$sql5);
if(!$rt5)
{
  die("Cannot delete".mysqli_error($con));
}
echo "Value deleted<br>";
?>
```

OUTPUT:


Student Registration
localhost/stud.html
Name: ABC
Course: BCA
Registration
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C Partly sunny
2:03 PM
10/12/2023

PROGRAM NO -15

OBJECTIVE:

Write a program in PHP to Validate Input

PROCEDURE:

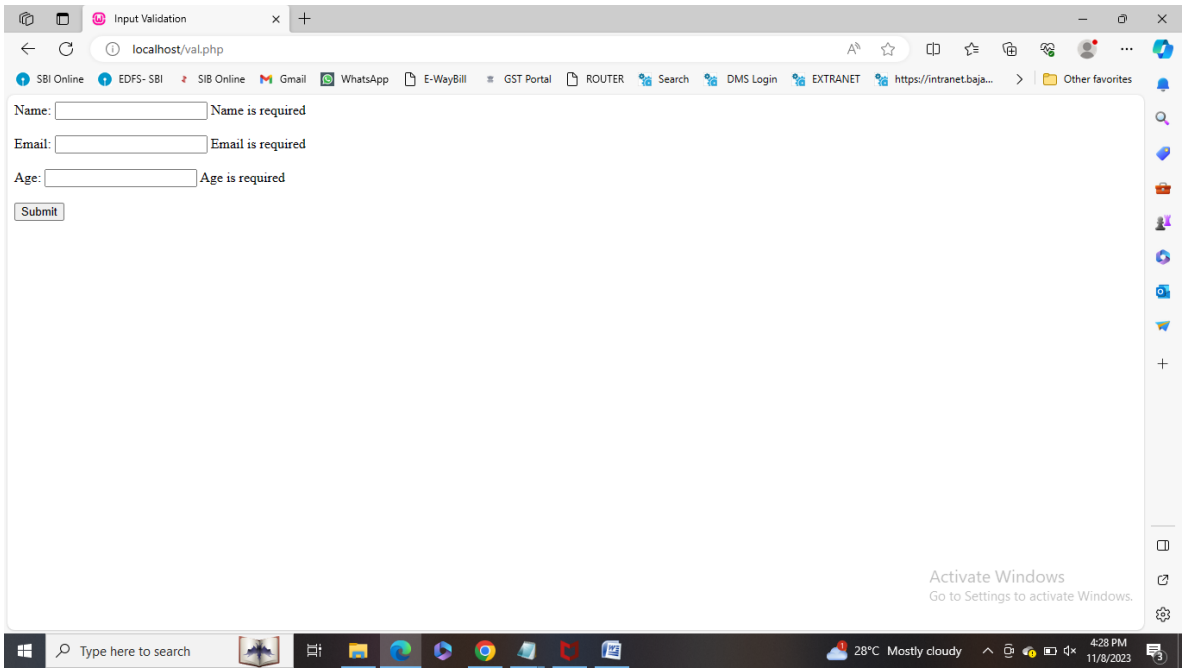
1. Open Notepad
2. Write php code
3. save file in C:\wamp64\www, and give it a name that ends with ".php" extension
4. Open WAMP
5. Type localhost/filename.php

SOURCE CODE:

```
<html>
<head>
  <title>Input Validation</title>
</head>
<body>
<?php
$nameErr = $emailErr = $ageErr = "";
$name = $email = $age = "";
function test_input($data) {
  $data = trim($data);
  $data = stripslashes($data);
  $data = htmlspecialchars($data);
  return $data;
}
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  if (empty($_POST["name"])) {
    $nameErr = "Name is required";
  } else {
    $name = test_input($_POST["name"]);
      if (!preg_match("/^[a-zA-Z ]*$/", $name)) {
      $nameErr = "Only letters and white space allowed";
    }
  }
  if (empty($_POST["email"])) {
    $emailErr = "Email is required";
  } else {
    $email = test_input($_POST["email"]);
    if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
      $emailErr = "Invalid email format";
```

```
        }
    }
    if (empty($_POST["age"])) {
        $ageErr = "Age is required";
    } else {
        $age = test_input($_POST["age"]);
        if (!is_numeric($age)) {
            $ageErr = "Age must be a number";
        }
    }
}
?>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>">
    <label for="name">Name:</label>
    <input type="text" name="name">
    <span class="error"><?php echo $nameErr; ?></span>
    <br><br>

    <label for="email">Email:</label>
    <input type="text" name="email">
    <span class="error"><?php echo $emailErr; ?></span>
    <br><br>

    <label for="age">Age:</label>
    <input type="text" name="age">
    <span class="error"><?php echo $ageErr; ?></span>
    <br><br>

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

<?php
// Display the submitted data
if ($_SERVER["REQUEST_METHOD"] == "POST" && empty($nameErr) &&
empty($emailErr) && empty($ageErr)) {
    echo "<h2>Submitted Data:</h2>";
    echo "Name: $name <br>";
    echo "Email: $email <br>";
    echo "Age: $age <br>";
}
?>
</body>
</html>
```

OUTPUT:


Input Validation
localhost/val.php
SBI Online
EDFS- SBI
SIB Online
Gmail
WhatsApp
E-WayBill
GST Portal
ROUTER
Search
DMS Login
EXTRANET
https://intranet.baja...
Other favorites
Name: Name is required
Email: Email is required
Age: Age is required
Submit
Activate Windows
Go to Settings to activate Windows.
Type here to search
28°C Mostly cloudy
4:28 PM
11/8/2023

PROGRAM NO -16

OBJECTIVE:

Write a program in PHP for setting and retrieving a cookie

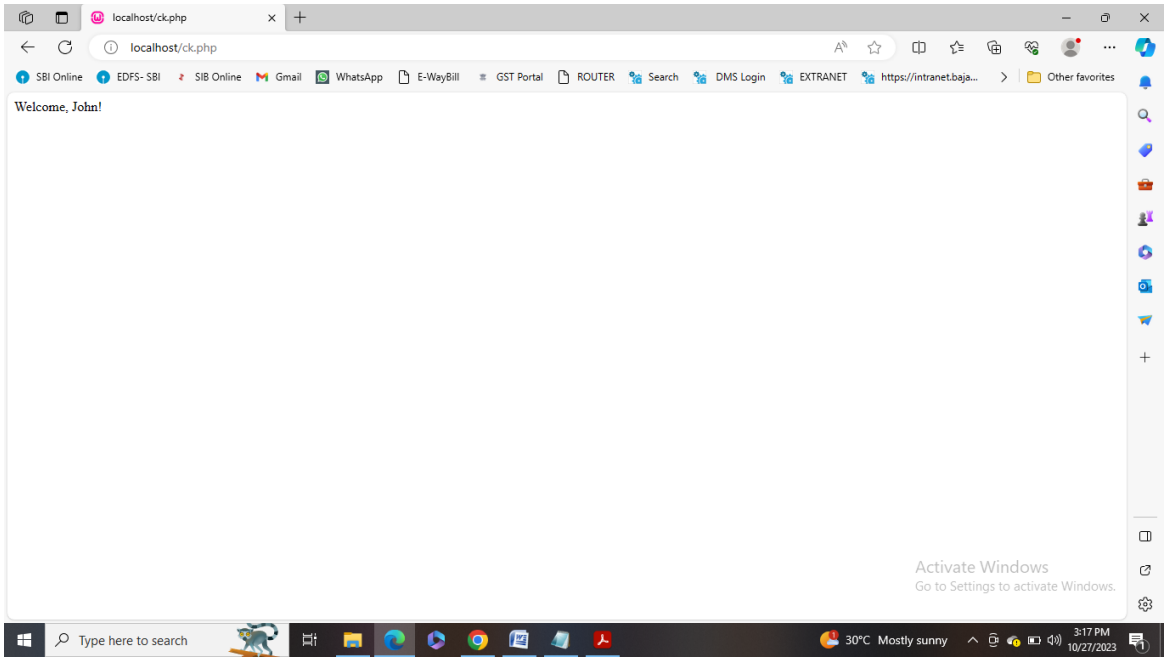
PROCEDURE:

1. Open Notepad
2. Write php code
3. save file in C:\wamp64\www, and give it a name that ends with ".php" extension
4. Open WAMP
5. Type localhost/filename.php

SOURCE CODE:

```
<?php
// Set a cookie
$cookie_name = "user";
$cookie_value = "John";
$cookie_expire = time() + 86400; // 86400 seconds = 1 day
setcookie($cookie_name, $cookie_value, $cookie_expire); // Parameters: name, value, expiration time, path
// Check if the cookie is set and retrieve its value
if (isset($_COOKIE[$cookie_name])) {
    $user = $_COOKIE[$cookie_name];
    echo "Welcome, $user!";
} else {
    echo "Cookie named '$cookie_name' is not set.";
}
?>
```

OUTPUT:


localhost/ck.php
localhost/ck.php
SBI Online
EDFS- SBI
SIB Online
Gmail
WhatsApp
E-WayBill
GST Portal
ROUTER
Search
DMS Login
EXTRANET
https://intranet.baja...
Other favorites
Welcome, John!
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C Mostly sunny
3:17 PM
10/27/2023

PROGRAM NO -17

OBJECTIVE:

Write a PHP program to Create a simple webpage of a college.

PROCEDURE:

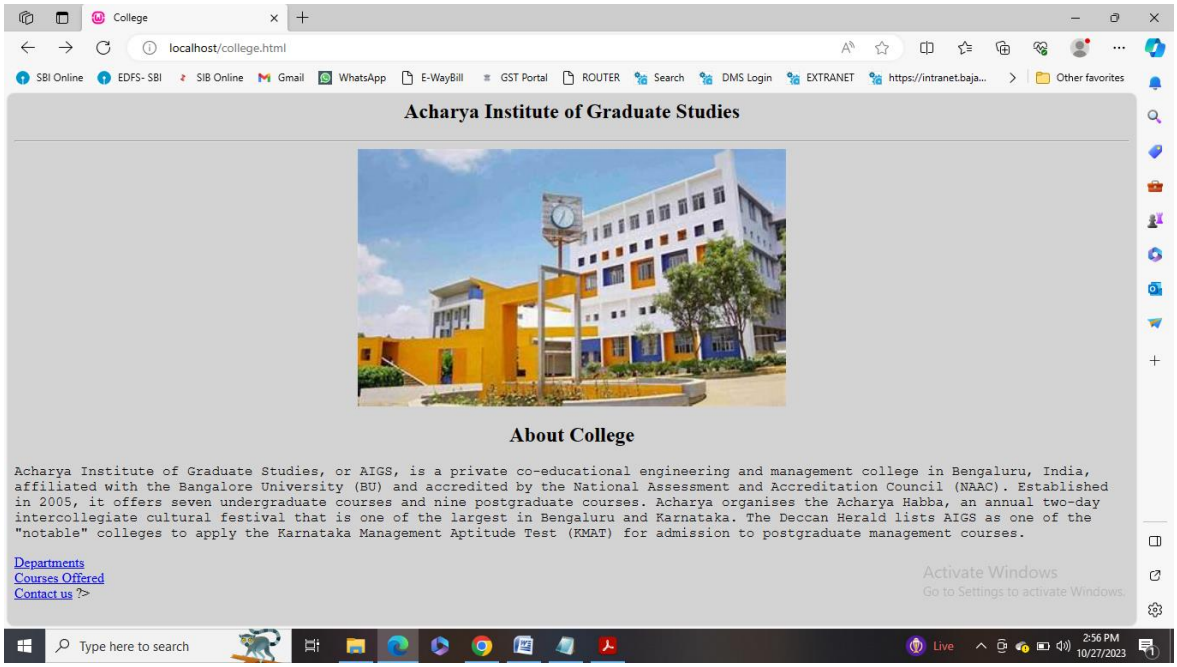
1. Open Notepad
2. Write php code
3. save file in C:\wamp64\www, and give it a name that ends with ".php" extension
4. Open WAMP
5. Type localhost/filename.php

SOURCE CODE:

```
<html>
<head>
<title>
College
</title>
</head>
<body bgcolor="lightgray">
<?php
<hr>
<h2 align="center" style="color: black;">Acharya Institute of Graduate Studies</h2>
<hr>
<center><img src="cllg.jpg" width="500" height="300"></center>
<h2 align="center" style="color: black;">About College </h2>
<p style="font-family:courier";>Acharya Institute of Graduate Studies, or AIGS, is a private co-educational engineering and management college in Bengaluru, India, affiliated with the Bangalore University (BU) and accredited by the National Assessment and Accreditation Council
(NAAC). Established in 2005, it offers seven undergraduate courses and nine postgraduate courses.
Acharya organises the Acharya Habba, an annual two-day intercollegiate cultural festival that is one of the largest in Bengaluru and Karnataka.
The Deccan Herald lists AIGS as one of the "notable" colleges to apply the Karnataka Management Aptitude Test (KMAT) for admission to postgraduate management courses.
</p>
<a href="dept.html">Departments</a><br>
<a href="course.html">Courses Offered</a><br>
<a href="contact.html">Contact us</a>
?>
</body>
```

```
</html>
```

OUTPUT:


College
localhost/college.html
SBI Online
EDFS- SBI
SIB Online
Gmail
WhatsApp
E-WayBill
GST Portal
ROUTER
Search
DMS Login
EXTRANET
https://intranet.baja...
Other favorites
Acharya Institute of Graduate Studies
About College
Acharya Institute of Graduate Studies, or AIGS, is a private co-educational engineering and management college in Bengaluru, India, affiliated with the Bangalore University (BU) and accredited by the National Assessment and Accreditation Council (NAAC). Established in 2005, it offers seven undergraduate courses and nine postgraduate courses. Acharya organises the Acharya Habba, an annual two-day intercollegiate cultural festival that is one of the largest in Bengaluru and Karnataka. The Deccan Herald lists AIGS as one of the "notable" colleges to apply the Karnataka Management Aptitude Test (KMAT) for admission to postgraduate management courses.
Departments
Courses Offered
Contact us ?>
Activate Windows
Go to Settings to activate Windows.
Type here to search
Live
2:56 PM
10/27/2023

PROGRAM NO -18

OBJECTIVE:

Write a program in PHP for exception handling for i) divide by zero ii) checking date format.

PROCEDURE:

1. Open Notepad
2. Write php code
3. save file in C:\wamp64\www, and give it a name that ends with ".php" extension
4. Open WAMP
5. Type localhost/filename.php

SOURCE CODE:

Exe.html

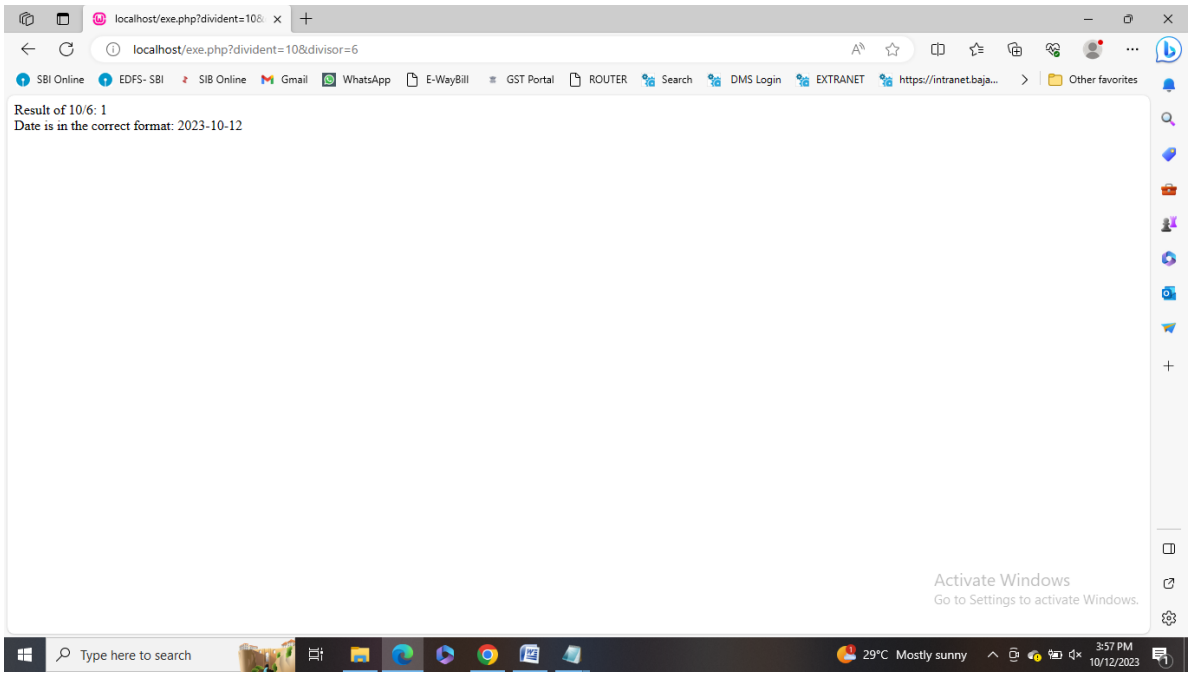
```
<html>
<head>
<title>
  Exception Handling
</title>
</head>
<body>
<form method="GET" action="exe.php">
Enter divident:<input type="text" name="divident"><br>
Enter divisor:<input type="text" name="divisor"><br>
<input type="submit" value="Division">
</form>
</body>
</html>
```

Exe.php

```
<?php
//division by zero
$A=$_GET['divident'];
$B=$_GET['divisor'];
try
{
   if ($B == 0)
     {
       throw new Exception("Divide by Zero exception occurred");
     }
   $C = $A / $B;
```

```
    printf("Result of $A/$B: %d<br>", $C);
}
catch(Exception $e)
{
    printf("Exception: %s", $e->getMessage());
}

//invalid date format
function validateDateFormat($date) {
    $format ='Y-m-d'; // Define the expected date format
    $dateTime = DateTime::createFromFormat($format, $date);

    if ($dateTime && $dateTime->format($format) === $date) {
        return true;
    } else {
        return false;
    }
}
try {
    $inputDate = "2023-10-12";

    if (validateDateFormat($inputDate)) {
        echo "Date is in the correct format: $inputDate";
    } else {
        throw new Exception("Invalid date format: $inputDate");
    }
} catch (Exception $e) {
    echo "Error: " . $e->getMessage();
}
?>
```

OUTPUT:


localhost/exe.php?divident=10&divisor=6
Result of 10/6: 1
Date is in the correct format: 2023-10-12
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C Mostly sunny
3:57 PM
10/12/2023