



SCHOOL OF APPLIED SCIENCE

BSc – Computer Science

Basics of Web Programming
Lab Manual(Sem – V)

By

Mrs. Poonam Yadav

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SR.NO	Problem Statement - Part B	PAGE NO
B1	Create, test, and validate an XHTML document for yourself, including your name, address, and e-mailaddress. If you are a student, you must include your major and your grade level. If you work, you must include your employer, your employer's address, and your job title. This document must use several headings and <code></code> , <code></code> , <code><hr /></code> , <code><p></code> , and <code>
</code> tags.	
B2	Create a form for Employee information. Write JavaScript code to find DA, HRA, PF, TAX, Grosspay, Deduction and Net pay.	
B3	Create a form consists of a two Multiple choice lists and one single choice list <ol style="list-style-type: none"> The first multiple choice list displays the Major dishes available. The second multiple choice list displays the Starters available. The single choice list displays the soft drinks available. 	
B4	Write a JavaScript code for case conversion	
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B6	Write a PHP script to check whether a string contains a specific string?	
B7	Write a PHP script to calculate and display average temperature, five lowest and highest temperatures.	
B8	Write a code to: <ol style="list-style-type: none"> Set up an html page with a form using which we will upload the file. Setup a PHP script to upload the file to the server as well as move the file to It's destination. Inform the user whether the upload was successful or not. 	

A1. Develop and demonstrate a XHTML document that illustrates the use external style sheet, ordered list, table, borders, padding, color, and the tag.

```
// style.css
p,table,li,
{
font-family: "lucida calligraphy", arial, 'sans serif';
margin-left: 10pt;
}
p { word-spacing: 5px; }
body { background-color:rgb(200,255,205); }
p,li,td { font-size: 75%;}
td { padding: 0.5cm; }
th { text-align:center;
font-size: 85%;
}
h1, h2, h3, hr {color:#483d8b;}
table { border-style: outset;
background-color: rgb(100,255,105);
}
li {list-style-type: lower-roman;}
span { color:blue;
background-color:pink; font-size: 29pt; font-style: italic; font-weight: bold;
```

```

}

<!-- lab1.html -->

<?xml version = "1.0" encoding = "utf-8" ?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns = "http://www.w3.org/1999/xhtml">
<head>
<link rel="stylesheet" type="text/css" href="style.css" />
<title> Lab program1 </title>
</head>
<body>
<h1>This header is 36 pt</h1>
<h2>This header is blue</h2>
<p>This paragraph has a left margin of 50 pixels</p>
<table border="4" width="5%"> <!-- table with name &
email --> <tr>
<th width="204">Name </th>
<th>Email</th>
</tr>
<tr>
<td width="204">Dr. HNS</td>
<td>abc@pes.edu</td>
</tr>
<tr>
<td width="204">Dr. MKV</td>
<td>xyz@rediffmail.com</td>
</tr>
<tr>
<td width="204">Dr. GTR</td>
<td>aaa@yahoo.co.in</td>
</tr>
<tr>
<td width="204">Dr. MVS</td>
<td>bbb@hotmail.com</td>
</tr>
</table>
<hr> <!-- horizontal line -->
<ol> <!-- ordered list -->
<li> Gowtham</li>
<li> Gowrav </li>
<li> Gopalakrishna </li>
</ol>
<p>
<span>This is a text.</span> This is a text. This is a text. This is a text. This is a text.
This is a text. This is a text. This is a text. <span>This is a text.</span>
</p>
</body>

```

<html>

Procedure to execute :

1. Type the code in notepad.
2. Write CSS code(style.css) and save it with .css extention.
3. Write HTML code (lab1.html) in notepad and save the file with .HTML extension
4. Run the HTML file on browser.

This header is 36 pt

This header is blue

This paragraph has a left margin of 50 pixels

Name	Email
Dr. HNS	abc@pes.edu
Dr. MKV	xyz@rediffmail.com
Dr. GTR	aaa@yahoo.co.in
Dr. MVS	bbb@hotmail.com

- i. Gowtham
- ii. Gowrav
- iii. Gopalakrishna

This is a text. This is a text. This is a text. This is a text. This is a text. This is a text. This is a text. This is a text. This is a text. This is a text. This is a text.

A2. Develop and demonstrate a XHTML file that includes Javascript script for the following:

i. Input: A number n obtained using prompt

ii. Output: The first n Fibonacci numbers

```
<?xml version = "1.0" encoding = "utf-8" ?>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
```

```
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
```

```
<html xmlns = "http://www.w3.org/1999/xhtml">
```

```
<body>
```

```
<script type="text/javascript">
```

```
//initialize variables
```

```
var fib1=0,fib2=1,fib=0;
```

```
var n=prompt("enter a number");
```

```
if(n!=null && n>0)
```

```
{
```

```
document.write("<h1>First " + n + " fibonacci numbers are: </h1><br>");
```

```
//if input is one number
```

```
if(n==1)
```

```
document.write("<h1>" + fib1 + "</h1><br>");
```

```
//if input is two numbers
```

```
else
```

```
document.write("<h1>" + fib1 + "</h1><br><h1>" + fib2 + "</h1><br>");
```

```
//if input is more than two numbers, find the next Fibonacci number
```

```
for(i=3;i<=n;i++)
```

```
{
```

```
fib=fib1+fib2;
```

```
document.write("<h1>" + fib + "</h1><br>");
```

```
fib1=fib2;
```

```
fib2=fib;
```

```
}
```

```
}
```

```
else
```

```
alert("No proper input");
```

```
</script>
```

```
</body>
```

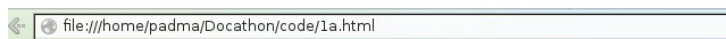
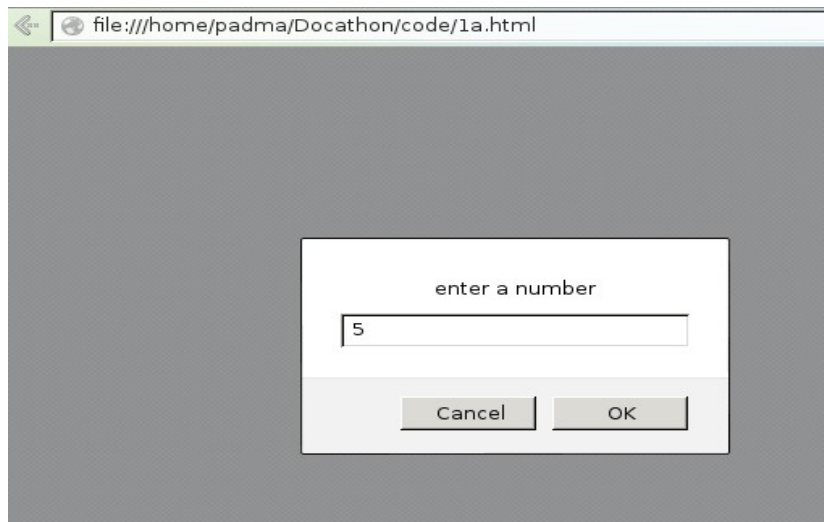
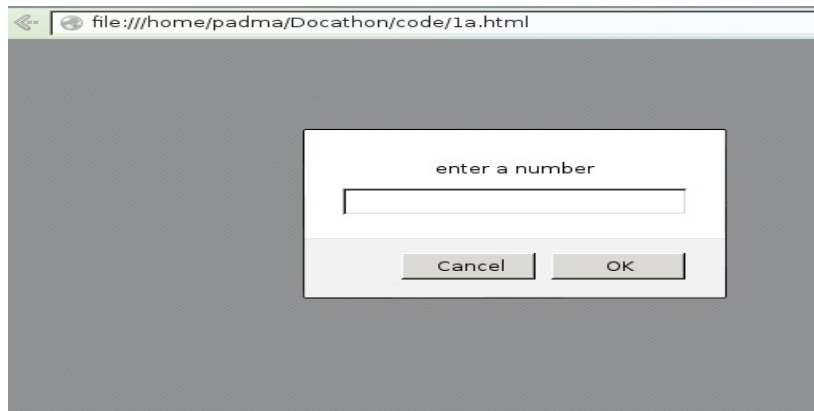
```
</html>
```

Procedure to execute :

1. Type the code in notepad

2. Save the file with .HTML extension
3. Run the file on browser.

OUTPUT



First 5 fibonacci numbers are:

0

1

1

2

A3. Develop and demonstrate a XHTML file that includes Javascript script that uses functions for the following:

Parameter: A string Output: The position in the string of the left-most vowel

```
<!-- lab3a.html -->
<?xml version = "1.0" encoding = "utf-8" ?>

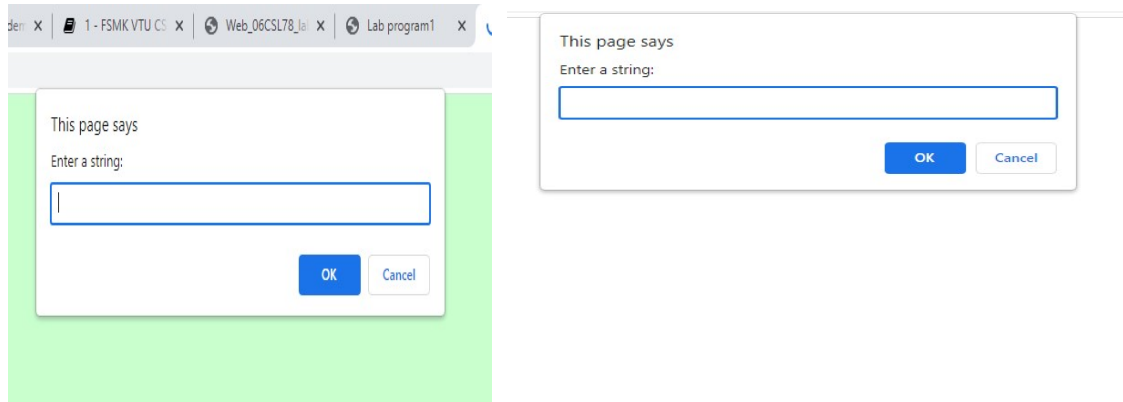
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns = "http://www.w3.org/1999/xhtml"><head>
<title>Program 3a</title>
</head>
<script type="text/javascript">
<!--
function vowel()
{
var n = prompt("Enter a string: ", "");
flag=0;
for(i=0;i<n.length && flag!=1 ;i++)
{
switch(n[i])
{
case 'a':
case 'e':
case 'i':
case 'o':
case 'u': alert("The left most vowel is present in the position: " +(i+1));
flag = 1
break;
default : break;
}
} if(!
flag)
alert("No Vowels found.");
}
-->
</script>
<body onload="vowel()">
</body>
```

Procedure to execute :

1. Type the code in notepad
2. Save the file with .HTML extension

3. Run the file on browser.

OUTPUT:



A4. Develop and demonstrate, using Javascript script, a XHTML document that collects the USN (the valid format is: A digit from 1 to 4 followed by two upper-case characters followed by two digits followed by two upper-case characters followed by three digits; no embedded spaces allowed) of the user. Event handler must be included for the form element that collects this information to validate the input. Messages in the alert windows must be produced when errors are detected.

```
<?xml version = "1.0" encoding = "utf-8" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns = "http://www.w3.org/1999/xhtml">

<body> <script type="text/javascript">
//define a function finder to perform the search and display appropriate message
finder=function()
{
//get input var a=document.getElementById('usn').value;
//find the length of the input 'a'
if(a.length==0) { alert("USN is empty");
return;
}
//convert the upper case input to lower case
var b=a.toLowerCase();
//check if the entered input is of the format "DAADDAADDD" where D=digit & A=alphabet
var str=b.search(/^[1-4][a-z][a-z][0-9][0-9][a-z][a-z][0-9][0-9][0-9]/);
if(str==0) alert("usn is valid");
else alert("usn is invalid");
}
</script>
<!-- create a form to accept input & pass the input to the function finder() on submission of the form -->
<form onsubmit=finder(>
Enter USN in Upper Case(DAADDAADDD):<input id=usn type=text><br>
<input type=submit value=submit>
</form>
</body> </html>
```

Procedure to execute :

1. Type the code in notepad
2. Save the file with .HTML extension
3. Run the file on browser.

OUTPUT :

Enter USN in Upper Case(DAADDAADDD):

Enter USN in Upper Case(DAADDAADDD):

usn is valid

A5. Write a PHP program to store current date-time in a COOKIE and display the ‘Last visited on’ date- time on the web page upon reopening of the same page.

```
<?php
#calculate 60 days in the future: seconds * minutes * hours * days + current time

$itm=60*60*24*60+time();

#create cookie
setcookie('last_visit',date("G:i -m/d/y"),$itm);

#check if cookie exists
if(isset($_COOKIE['last_visit'])) {
    $visit=$_COOKIE['last_visit'];
    echo "Your last visit was- " . $visit;
}
else {
    #no cookies
    echo "You have some stale cookies!" ;
}
?>
```

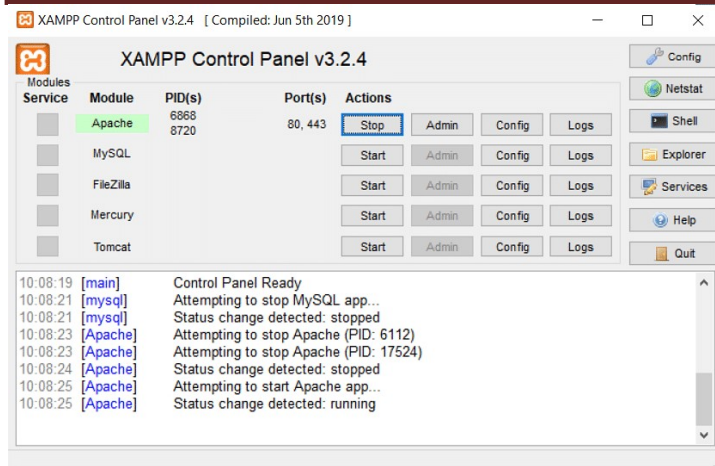
Procedure to execute :

(Prerequisite: XAMP server installation)

1. Type the code in notepad
2. Save the file with .PHP in htdocs folder.

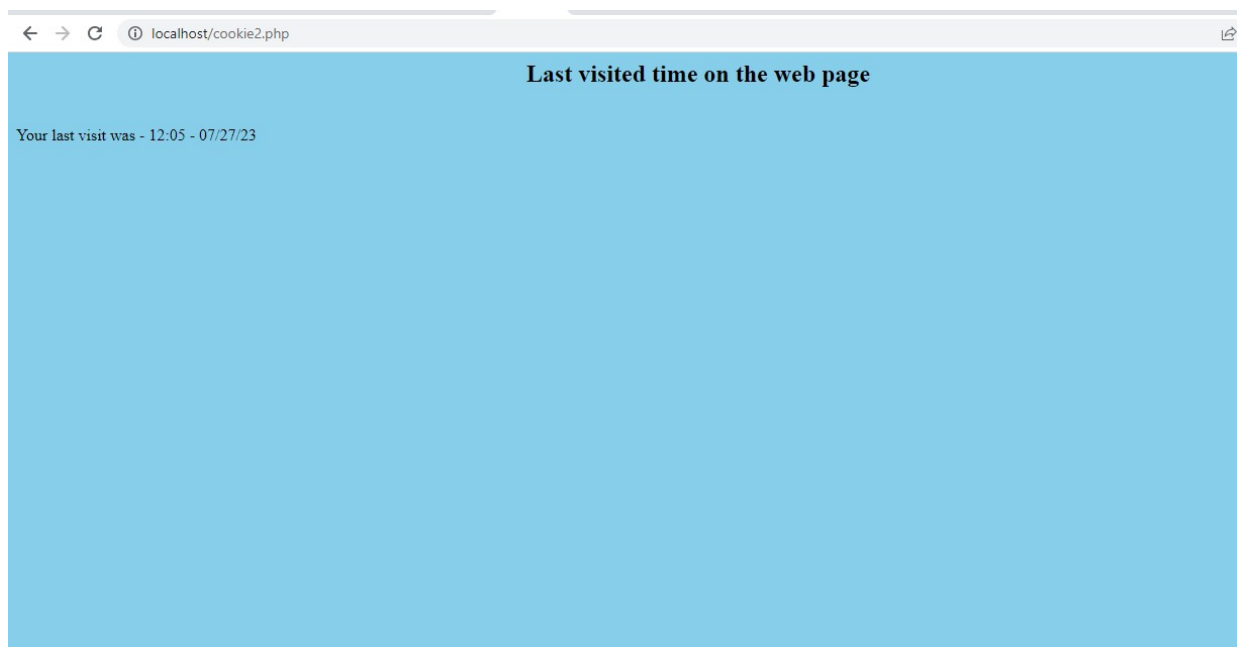
(Note: If XAMP server is installed on C drive then save your program at location - C:/Program Files/XAMPP/htdocs)

3. Open XAMP control panel



4. Start the Apache Server from Xamp control panel.
5. Open the browser and type <http://localhost/>
6. Run the file on browser with name with which it is saved.

OUTPUT



A6. Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page.

```
<?php
#start session
session_start();
#check if session exists
if(isset($_SESSION['count'])) {
    echo "Pageviews: " . $_SESSION['count'];
    #increment the count
    $_SESSION['count']++;
}
else {
    #if no session exists
    $_SESSION['count']=1;
    echo "Pageviews" . $_SESSION['count'];
}
?>
```

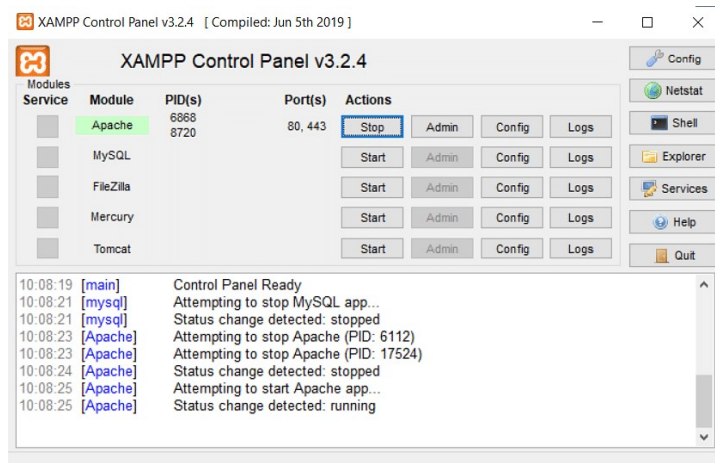
Procedure to execute :

(Prerequisite: XAMP server installation)

1. Type the code in notepad
2. Save the file with .PHP in htdocs folder.

(Note: If XAMP server is installed on C drive then save your program at location - C:/Program Files/XAMPP/htdocs)

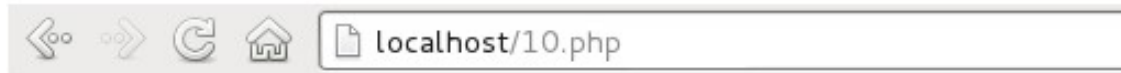
3. Open XAMP control panel



4. Start the Apache Server from Xamp control panel.
5. Open the browser and type <http://localhost/>
6. Run the file on browser with name with which it is saved.

OUTPUT :

Pageviews=1



Pageviews=2

A7. Create a XHTML form with Name, Address Line 1, Address Line 2, and E-mail text fields. On submitting, store the values in MySQL table. Retrieve and display the data based on Name.

Main.html

```
<?xml version = "1.0" encoding = "utf-8" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns = "http://www.w3.org/1999/xhtml">
  <h2>Insert Info</h2>
  <form action="insert.php">
    Name:<input type=text name=name /><br>
    Address Line 1:<input type=text name=addr1><br>
    Address Line 2:<input type=text name=addr2><br>
    Email-ID:<input type=text name=email><br>
    <input type=submit value=insert />
    <input type=reset value=reset />
  </form>
  <h2>Search Info</h2>
  <form action="search.php">
    Name:<input type=text name=name /><br>
    <input type=submit value=search />
    <input type=reset value=reset />
  </form>
</html>
```

insert.php

```
<?php
# take inputs & store in local variables
$name = $_REQUEST['name'];
$addr1 = $_REQUEST['addr1'];
$addr2 = $_REQUEST['addr2'];
$email = $_REQUEST['email'];

$server_name = "localhost";
//specify the username - here it is root
$user_name = "root";
//specify the password - it is empty
$password = "";
$database="test";

// Creating the connection by specifying the connection details
```



```
$connection = mysqli_connect($server_name, $user_name, $password,$database);

// Checking the connection
if (!$connection) {
    die("Failed ". mysqli_connect_error());
}

$sql = "INSERT INTO student VALUES ('$name','$addr1','$addr2','$email')";
if(mysqli_query($connection, $sql)){
    echo "<h3>data stored in a database successfully."
        . " Please browse your localhost php my admin"
        . " to view the updated data</h3>";

} else{
    echo "ERROR: Hush! Sorry $sql. ";

}

# release the database handle by closing the connection
mysqli_close($connection);
?>

search.php
<html>
<h2>Search Result</h2>
<table border=1>
<tr>
<th>Name</th><th>Address Line 1</th><th>Address Line 2</th><th>Email-ID</th>
</tr>
<?php
$name = $_REQUEST['name'];
$server_name = "localhost";
//specify the username - here it is root
$user_name = "root";
//specify the password - it is empty
$password = "";
```

```
$database="test";

// Creating the connection by specifying the connection details
$connection = mysqli_connect($server_name, $user_name, $password,$database);

// Checking the connection
if (!$connection) {
    die("Failed ". mysqli_connect_error());
}

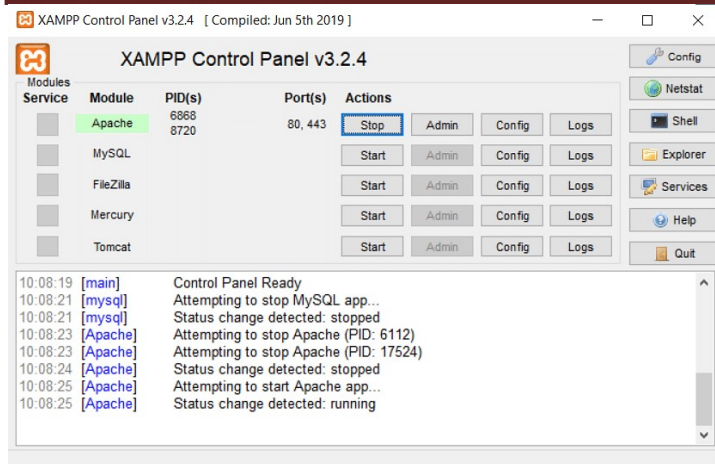
$sql = "select * from student where name like '%".$name."%'";
$result = mysqli_query($connection, $sql);
# retrieve all rows with matches
while ($row = mysqli_fetch_array($result)) {
    # display result
    echo "<tr>";
    echo "<td>".$row['name']. "</td>";
    echo "<td>".$row['addr1']. "</td>";
    echo "<td>".$row['addr2']. "</td>";
    echo "<td>".$row['email']. "</td>";
    echo "</tr>";
}
mysqli_close($connection);
?>

</table>

</html>
```

Procedure to execute :

1. Type the code in notepad
2. Save the file with .PHP in htdocs folder.
(Note: If XAMP server is installed on C drive then save your program at location - C:/Program Files/XAMPP/htdocs)
3. Open XAMP control panel



4. Start the Apache Server and MySQL Server from Xamp control panel.
5. Open MySqlAdmin by typing <http://localhost/phpmyadmin>
6. Create table with required attributes.
7. Open the browser and type <http://localhost/>
8. Run the file on browser with name with which it is saved.

OUTPUT

localhost/html/11.html

Insert Info

Name

Address Line 1

Address Line 2

Email-ID

Search Info

Name

Insert Info

Name

Address Line 1

Address Line 2

Email-ID

A8. Write a PHP program to check whether a number is positive, negative or zero.

```
<?php
```

```
function CheckNumber($x) {  
    if ($x > 0)  
        {$message = "Positive number";}  
    elseif ($x == 0)  
        {$message = "Zero";}  
    else  
        {$message = "Negative number";}  
    echo $message."\n";  
}
```

```
CheckNumber(5.5);
```

```
CheckNumber(-10.8);
```

```
?>
```

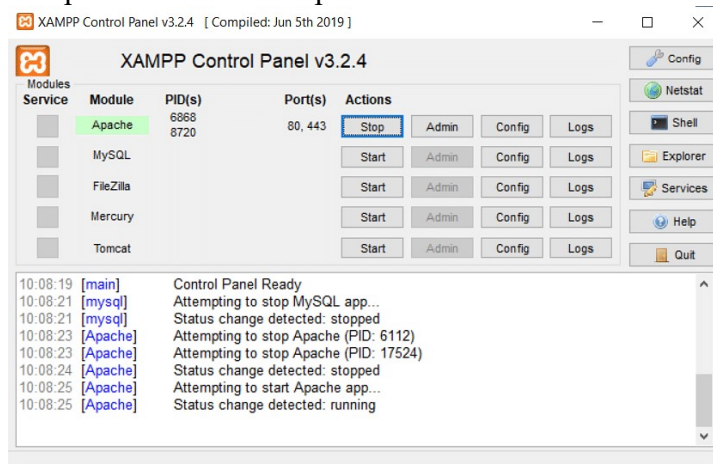
Procedure to execute :

(Prerequisite: XAMP server installation)

1. Type the code in notepad
2. Save the file with .PHP in htdocs folder.

(Note: If XAMP server is installed on C drive then save your program at location - C:/Program Files/XAMPP/htdocs)

3. Open XAMP control panel



4. Start the Apache Server from Xamp control panel.
5. Open the browser and type <http://localhost/>
6. Run the file on browser with name with which it is saved.

OUTPUT

Positive number

Negative number

A9. Write a program to create timetable of your class using table tags.

```
<html>
```

```
<head>
```

```
<title>
```

Time table of V Bsc

```
<link rel="shortcut icon" href="search.jpg">
```

```
</title>
```

```
<head>
```

```
<body bgcolor="green" text="white">
```

```
<center>
```

```
<table border="10" cellspacing="5" cellpadding="10">
```

```
<tr>
```

```
<td background="search.jpg" width="140" height="90"></td>
```

```
<td colspan="9" bgcolor="white" align="center"><font face="Ariel" size="7"
color="darkblue">Time Table for VI BCA</font></td>
```

```
</tr>
```

```
<tr>
```

```
<th>DAY</th>
```

```
<th>8:45 to 9:35</th>
```

```
<th> 9:35 to 10:25 </th>
```

```
<th> 10:25 to 11:15 </th>
```

```
<th> 11:15 to 11:30 </th>
```

```
<th> 11:30 to 12:20 </th>
```

```
<th> 12:20 to 1:10 </th>
```

```
<th> 1:10 to 1:50 </th>

<th> 1:50 to 2:40 </th>

<th> 2:40 to 3:30</th>

</tr>

<tr>

<td >Monday</td>

<td>Web Programming</td>

<td>SP</td>

<td>SoftSkills</td>

<td rowspan="2" align="center"> Break</td>

<td>Cryptography</td>

<td colspan="4 " align="center" > Web Programming Lab</td></tr>

<tr>

<td>Tuesday</td>

<td>SP</td>

<td>Web Programming</td>

<td>SoftSkills</td>

<td>TOC</td>

<td>Web Programming </td>

<td rowspan="6"> Lunch Break </td>

<td colspan="2" rowspan="7" align="center" >Holiday</td>

</tr>

<tr>

<td>

</td>

</tr>
```

```
<td>Wednesday</td>

<td>TOC</td>

<td>Cryptography</td>

<td colspan="4" align="center"> Project Lab</td>

</tr>

<tr>

<td>Thursday</td>

<td>Cryptography</td>

<td>TOC</td>

<td colspan="4" align="center"> Project Lab</td>

</tr>

<tr>

<td>Friday</td>

<td colspan="3" align="center" >Web Programming Lab</td>

<td rowspan="2" align="center" >Break</td>

<td>TOC</td>

<td>Cryptography</td>

</tr>

<tr>

<td>Saturday</td>

<td>SP</td>

<td>Web Programming</td>

<td>Cryptography</td>
```

```
<td colspan="2" align="center">Project Lab</td>
```

```
</tr>
```

```
</table>
```

```
</center>
```

```
</body>
```

```
</html>
```

OUTPUT :

Time Table for VI B.Sc									
DAY	8:45 to 9:35	9:35 to 10:25	10:25 to 11:15	11:15 to 11:30	11:30 to 12:20	12:20 to 1:10	1:10 to 1:50	1:50 to 2:40	2:40 to 3:30
Monday	Web Programming	SP	SoftSkills	Break	Cryptography	Web Programming Lab			
Tuesday	SP	Web Programming	SoftSkills		TOC	Web Programming	Lunch Break	Library Break	
Wednesday	TOC	Cryptography	Project Lab						
Thursday	Cryptography	TOC	Project Lab						
Friday	Web Programming Lab			Break	TOC	Cryptography			
Saturday	SP	Web Programming	Cryptography		Project Lab				

STEPS TO EXECUTE:

1. Type the code in notepad
2. Save the file with .HTML extension
3. Run the file on browser.

A10. Write a program to create RESUME using formatting tags. Use image tag to add profile picture , create internal link to photo gallery and external links to social media accounts.

```
<HTML>
<HEAD>
<TITLE>Hunter S. Jobseeker</TITLE>
</HEAD>
<BODY BGCOLOR="#FFFFFF">
<H1>Hunter S. Jobseeker</H1>


<br>
<TABLE WIDTH="100%">
<tr><TD ALIGN="left">12013 Future Drive</TD>
<TD ALIGN="right">Residence (305) 555-1212</TD></TR>
<TR><TD ALIGN="left">New York, NY 10019</TD>
<TD ALIGN="right">Message (305) 555-1213</TD></TR>
</TD></TR>
<tr>
<TD ALIGN="right">Email: jobseeker@internet.com</TD></TR>

<TABLE>
<tr><td> <h1> Objective </h1></td></tr>
<TR>
<TD>Marketing, public relations or sales position with a medical equipment
company.</TD></TR></TABLE>

<H2>Sales Experience</H2>
<H3>March 2013 to Present</H3>
<TABLE><TR><TD>&nbsp;</TD>
<TD>Commissioned Salesperson — Fine Jewelry<BR>
```

Macy's Department Store, New York, New York

Sell men's and women's jewelry, develop positive customer relations, provide sales promotion support for upper management, and maintain a product inventory worth up to \$3 million.

Achieved 100 percent or more of sales quota since employed.</TD></TR></TABLE>

<H3>May 1990 to November 2012</H3>

<TABLE><TR><TD> </TD>

<TD>Commissioned Salesperson — Men's Suits

Barney's, New York, New York

Sold men's suits, established customer relations, handled staff scheduling duties, and ordered merchandise. kept track of market trends and effectively reformatted the store's accounting system as it pertained to this department.

Ranked first, second, or third in every sales program during period of employment.</TD></TR></TABLE>

<H2>Additional Experience</H2>

<H3>June 1987 to November 1989</H3>

Part-time and summer employment experience: Zoo Worker, Bronx Zoo, New York, summer 1987.

Word Processor and Medical Records Assistant, Mercy Hospital, New York, September 1987 – November 1989.

<H2>Education</H2>

<TABLE><TR><TD> </TD>

<TD>Bachelor of Arts in Biology — December 1989

Columbia University

GPA: 3.5/4.0</TD></TR></TABLE>

<H2>Activities</H2>

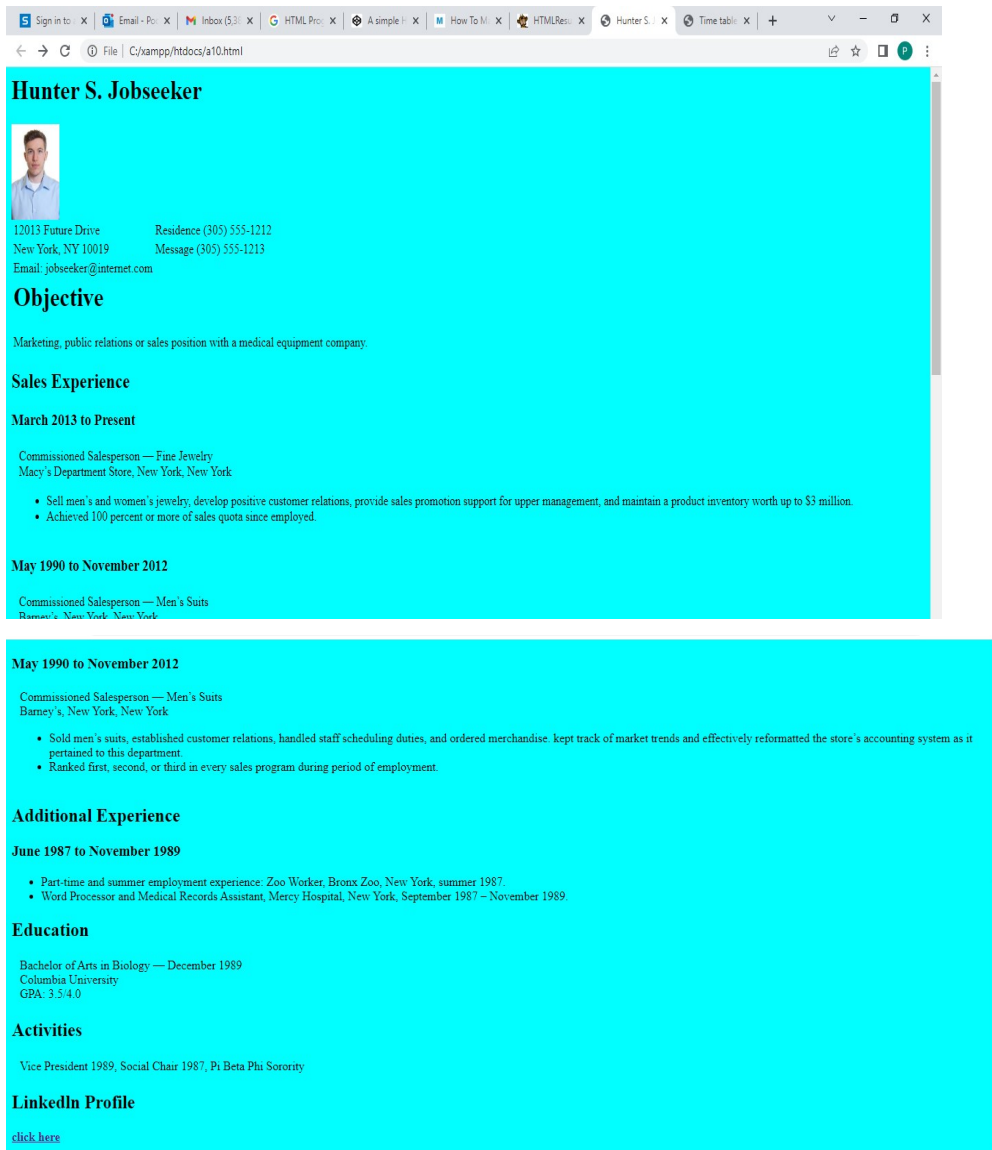
<TABLE><TR><TD> </TD>

<TD>Vice President 1989, Social Chair 1987, Pi Beta Phi Sorority</TD></TR></TABLE>

<h2> LinkedIn Profile </h2> <h4> click here </h4>

</BODY>

</HTML>

OUTPUT :**STEPS TO EXECUTE:**

1. Type the code in notepad
2. Save the file with .HTML extension
3. Run the file on browser.

**B1. Create, test, and validate an XHTML document for yourself, including your name, address, and e-mail address. If you are a student, you must include your major and your grade level. If you work, you must include your employer, your employer's address, and your job title. This document must use several headings and , , <hr />, <p>, and
 tags.**

```
<?xml version = "1.0" encoding = "utf-8" ?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns = "http://www.w3.org/1999/xhtml">
<body>
    <em> <strong> Registration Form </strong></em><br><br><br>
    <b> Enter your Name: </b>
    <input type="text" name= "fname"><br><br>

    <b> Enter your Address: </b>
    <input type="text" name= "address"><br><br>

    <b> Enter your email: </b>
    <input type="text" name= "email"><br><br>

    <strong> What is your status in organization? </strong><br><br>

    <input type = "radio" name = "radio" value = "student" id = "radio1" > Student </input> <br>
    <input type = "radio" name = "radio" value = "employee" id = "radio2" > Employee </input><br>
    <p id = "output"> </p>
    <button onclick = "checkRadio()"> Check Status </button>
    <script>
        let output = document.getElementById("output");
        function checkRadio(){
            // accessing the radio buttons
            let radio1 = document.getElementById('radio1');
            let radio2 = document.getElementById('radio2');

            // checking if any radio button is selected
            if(radio1.checked){
                output.innerHTML = "The radio button with value " + radio1.value + " is checked!";
                output.innerHTML = "Please enter your major : "+"<input type=text
name=major>"+ "<br><hr>"+ "Please enter your grade : "+"<input type=text name=grade>";
            }
            if(radio2.checked){
                output.innerHTML = "The radio button with value " + radio2.value + " is checked!";
                output.innerHTML = "Please enter your Designation : "+"<input type=text
name=desi>"+ "<br><hr>"+ "Please enter your Employeeer and address : "+"<textarea name=employeeer>";
            }
        }
    </script>
</body>
</html>
```

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

Procedure to execute :

1. Type the code in notepad
2. Save the file with .HTML extension
3. Run the file on browser.

OUTPUT*Registration Form*

Enter your Name:

Enter your Address:

Enter your email:

What is your status in organization?

☐ Student
☐ Employee

Registration Form

Enter your Name:

Enter your Address:

Enter your email:

What is your status in organization?

☒ Student
☐ Employee

Please enter your major :

Please enter your grade :

Registration Form

Enter your Name:

Enter your Address:

Enter your email:

What is your status in organization?

☐ Student
☒ Employee

Please enter your Designation :

Please enter your Employee and address :

B2. Create a form for Employee information. Write JavaScript code to find DA, HRA, PF, TAX, Grosspay, Deduction and Net pay.

```
<html>
<head>
<title>Registration Form</title>
<script type = "text/javascript">
    function calc()
    {
        var bp,DA,HRA,GP,PF,Tax,Deduction,NetPay,name,id,desg;
        name = document.form1.firstname.value;
        id = document.form1.userid.value;
        desg = document.form1.designation.value;
        bp = parseInt(document.form1.bp.value);

        DA = bp * 0.5;
        HRA = bp * 0.5;
        GP = bp + DA + HRA;
        PF = GP * 0.02;
        Tax = GP * 0.01;
        Deduction = Tax + PF;
        NetPay = GP - Deduction;

        document.form1.da.value = DA;
        document.form1.hra.value = HRA;
        document.form1.gp.value = GP;
        document.form1.pf.value = PF;
        document.form1.tax.value = Tax;
        document.form1.deduction.value = Deduction;
        document.form1.netpay.value = NetPay
    }
</script>
</head>
<body >
    <form name = "form1">
        <table border = "1">
            <tr>
                <td>Name</td>
                <td><input type = "text" name = "firstname" /></td>
            </tr>
            <tr>
                <td>User ID</td>
                <td><input type = "text" name = "userid" /></td>
            </tr>
            <tr>
                <td>Designation</td>
```

```
<td><input type = "text" name = "designation" /></td>
</tr>
<tr>
<td>Basic Pay</td>
<td><input type = "text" name = "bp"></td>
</tr>
<tr>
<td colspan = "2" align = "center">
<input type = "button" name = "calculate" value = "Click Here To Calculate"onclick
="calc()"></td>

</tr>
<tr>
<td>Dearness Allowance </td>
<td><input type = "text" name = "da"/></td>
</tr>
<tr>
<td>House Rent Allowance </td>
<td><input type = "text" name = "hra"></td>
</tr>
<tr>
<td>GP</td>
<td><input type = "text" name = "gp"></td>
</tr>
<tr>
<td>Provident Fund</td>
<td><input type = "text" name = "pf" /></td>
</tr>
<tr>
<td>Tax</td>
<td><input type = "text" name = "tax" /></td>
</tr>
<tr>
<td>Deduction</td>
<td><input type = "text" name = "deduction" /></td>
</tr>
<tr>
<td>NetPay</td>
<td><input type = "text" name = "netpay" /></td>
</tr>
</table>
</form>
</body>
</html>
```

Procedure to execute :

1. Type the code in notepad
2. Save the file with .HTML extension
3. Run the file on browser.

OUTPUT

Name	
User ID	
Designation	
Basic Pay	
Click Here To Calculate	
Dearness Allowance	
House Rent Allowance	
GP	
Provident Fund	
Tax	
Deduction	
NetPay	

Name	Neha
User ID	neha123
Designation	Programmer
Basic Pay	30000
Click Here To Calculate	
Dearness Allowance	15000
House Rent Allowance	15000
GP	60000
Provident Fund	1200
Tax	600
Deduction	1800
NetPay	58200

B3. Create a form consists of a two Multiple choice lists and one single choice list

- a. The first multiple choice list displays the Major dishes available.**
- b. The second multiple choice list displays the Starters available.**
- c. The single choice list displays the soft drinks available.**

```
<html>
<head>
  <script type = "text/javascript">
    function findcost()
    {
      var major = document.getElementById("major");
      var Starters = document.getElementById("starters");
      var soft = document.getElementById("soft");
      var s = "Item \t \t \t Price \n-----\n";
      var totalcost = 0;

      for( var i = 0; i < major.options.length; i++)
      {
        var option = major.options[i];
        if(option.selected == true)
        {
          var price = parseInt(option.value);
          totalcost = totalcost + price;
          s = s+ option.text + "\t \t" + price + "\n";
        }
      }
      for( var i = 0; i < starters.options.length; i++)
      {
        var option = starters.options[i];
        if(option.selected == true)
        {
          var price = parseInt(option.value);
          totalcost = totalcost + price;
          s = s + option.text + "\t \t" + price + "\n";
        }
      }
      var softdrinkindex = soft.selectedIndex;
      if(softdrinkindex != null)
      {
        var selectedsoftdrink = soft.options[soft.selectedIndex].text;
        var price = parseInt(soft.options[soft.selectedIndex].value);
        totalcost = totalcost + price;
        s = s + selectedsoftdrink + "\t \t" + price + "\n";
      }
      s = s + "\n\n Total Cost \t \t" + totalcost;
```

```
document.getElementById("ordereditems").value = s;
}
</script>
</head>
<body>
  <form name = "menuForm">
    <table border = "1" >
      <tr>
        <td colspan = "2" align = "center">
          <h2>Restaurant Menu Details</h2>
        </td>
      </tr>
      <tr>
        <td> Major Dishes:</td>
        <td>
          <select id = "major" size = "3" multiple = "multiple">
            <option value = "100"> Vegetable Pulav</option>
            <option value = "150"> Hyderabad Biryani</option>
            <option value = "50"> Roti with Curry </option>
          </select>
        </td>
      </tr>
      <tr>
        <td> Starters </td>
        <td> <select id = "starters" size = "3" multiple = "multiple">
          <option value = "80"> Gobi Manchurian </option>
          <option value = "40"> Veg Clear Soup </option>
          <option value = "30"> Masala Papad </option>
        </td>
      </tr>
      <tr>
        <td>Soft Drinks</td>
        <td>
          <select id = "soft" size = "3" multiple = "multiple">
            <option value = "20"> Pepsi</option>
            <option value = "25"> Coke </option>
            <option value = "30"> Lime Soda </option>
          </select>
        </td>
      </tr>
      <tr>
        <td colspan = "2" align = "center">
          <textarea id = "ordereditems" rows = "10" cols = "40">

          </textarea>
        </td>
      </tr>
    </tr>
  </td>
</body>
```

```
<input type = "button" value = "Find total Cost" onclick = "findcost()" />
</td>
<td>
  <input type = "reset" value = "Clear" />
</td>
</tr>
</table>
</form>
</body>
</html>
```

Procedure to execute :

1. Type the code in notepad
2. Save the file with .HTML extension
3. Run the file on browser.

OUTPUT:

Restaurant Menu Details											
Major Dishes:	<div>Vegetable Pulav ^</div> <div>Hyderabadi Biryani</div> <div>Roti with Curry v</div>										
Starters	<div>Gobi Manchurian ^</div> <div>Veg Clear Soup</div> <div>Masala Papad v</div>										
Soft Drinks	<div>Pepsi ^</div> <div>Coke</div> <div>Lime Soda v</div>										
<table><thead><tr><th>Item</th><th>Price</th></tr></thead><tbody><tr><td>Vegetable Pulav</td><td>100</td></tr><tr><td>Gobi Manchurian</td><td>80</td></tr><tr><td>Pepsi 20</td><td></td></tr><tr><td>Total Cost</td><td>200</td></tr></tbody></table>		Item	Price	Vegetable Pulav	100	Gobi Manchurian	80	Pepsi 20		Total Cost	200
Item	Price										
Vegetable Pulav	100										
Gobi Manchurian	80										
Pepsi 20											
Total Cost	200										
<input type="button" value="Find total Cost"/>	<input type="button" value="Clear"/>										

B4. Write a JavaScript code for case conversion

```
<!doctype html>
<html>
<head>
<script>

function myFunction() {
  var str = "Hello Coder!";
  var res = str.toUpperCase();
  document.getElementById("demo").innerHTML = res;
}

</script>
</head>
<body>

<button onclick="myFunction()">Click Here for Convert String</button>
<p id="demo"></p>
</body>
</html>
```

Procedure to execute :

1. Type the code in notepad
2. Save the file with .HTML extension
3. Run the file on browser.

OUTPUT

Click Here for Convert String

HELLO CODER!

B5. Write a program to create chess board in PHP using for loop

```
<!DOCTYPE html>
<html>
<head>
<title></title>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
</head>
<body>
<h3>Chess Board using Nested For Loop</h3>
<table width="270px" cellspacing="0px" cellpadding="0px" border="1px">
<!-- cell 270px wide (8 columns x 60px) -->
<?php
for($row=1;$row<=8;$row++)
{
    echo "<tr>";
    for($col=1;$col<=8;$col++)
    {
        $total=$row+$col;
        if($total%2==0)
        {
            echo "<td height=30px width=30px bgcolor=#FFFFFF></td>";
        }
        else
        {
            echo "<td height=30px width=30px bgcolor=#000000></td>";
        }
    }
    echo "</tr>";
}
?>
</table>
</body>
</html>
```

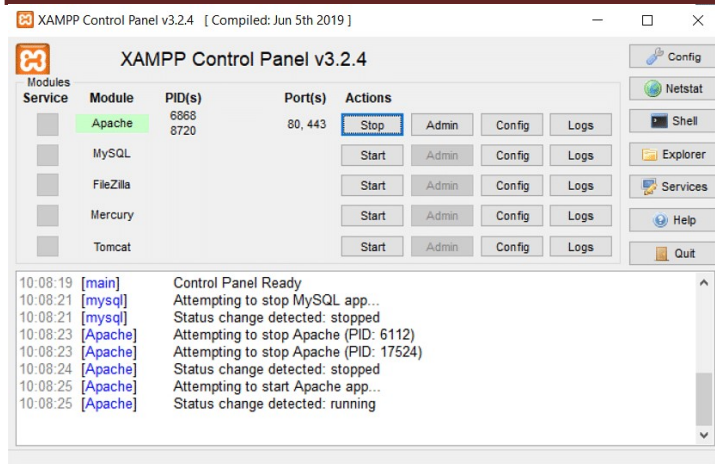
Procedure to execute :

(Prerequisite: XAMP server installation)

1. Type the code in notepad
2. Save the file with .PHP in htdocs folder.

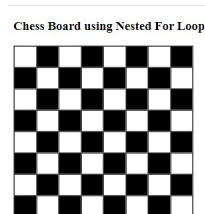
(Note: If XAMP server is installed on C drive then save your program at location - C:/Program Files/XAMPP/htdocs)

3. Open XAMP control panel



4. Start the Apache Server from Xamp control panel.
5. Open the browser and type `http://localhost/`
6. Run the file on browser with name with which it is saved.

OUTPUT :



B6. Write a PHP script to check whether a string contains a specific string.

```
<?php
$word = "fox";
$mystring = "The quick brown fox jumps over the lazy dog";

// Test if string contains the word
if(strpos($mystring, $word) !== false){
    echo "Word Found!";
} else{
    echo "Word Not Found!";
}
?>
```

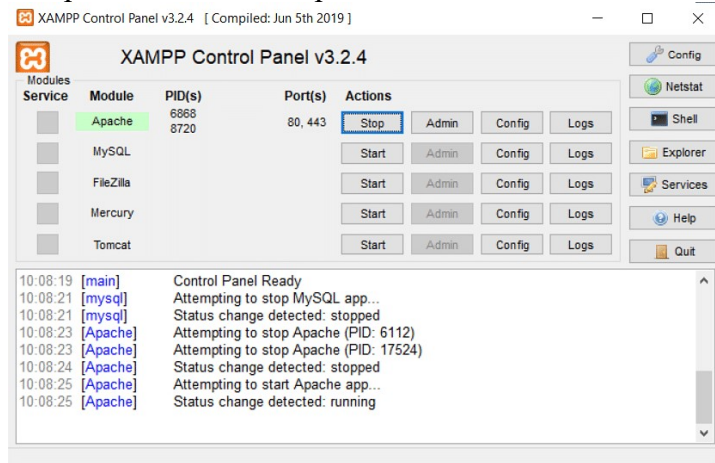
Procedure to execute :

(Prerequisite: XAMP server installation)

1. Type the code in notepad
2. Save the file with .PHP in htdocs folder.

(Note: If XAMP server is installed on C drive then save your program at location - C:/Program Files/XAMPP/htdocs)

3. Open XAMP conterl panel



4. Start the Apache Server from Xamp control panel.

5. Open the browser and type <http://localhost/>

6. Run the file on browser with name with which it is saved.

OUTPUT

Word Found!

B7. Write a PHP script to calculate and display average temperature, five lowest and highest temperatures.

```
<?php
$month_temp = "78, 60, 62, 68, 71, 68, 73, 85, 66, 64, 76, 63, 81, 76, 73,
68, 72, 73, 75, 65, 74, 63, 67, 65, 64, 68, 73, 75, 79, 73";
$temp_array = explode(',', $month_temp);
$tot_temp = 0;
$temp_array_length = count($temp_array);
foreach($temp_array as $temp)
{
    $tot_temp += $temp;
}
$avg_high_temp = $tot_temp/$temp_array_length;
echo "Average Temperature is : ".$avg_high_temp. " ";
sort($temp_array);
echo " List of five lowest temperatures :";
for ($i=0; $i< 5; $i++)
{
    echo $temp_array[$i].", ";
}
echo "List of five highest temperatures :";
for ($i=($temp_array_length-5); $i< ($temp_array_length); $i++)
{
    echo $temp_array[$i].", ";
}
?>
```

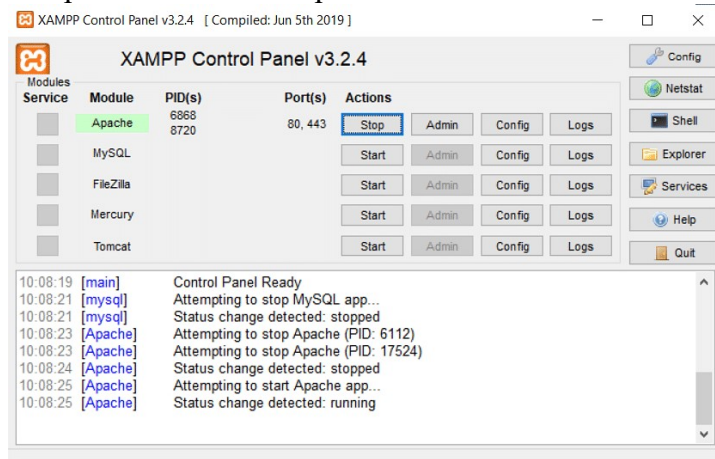
Procedure to execute :

(Prerequisite: XAMP server installation)

1. Type the code in notepad
2. Save the file with .PHP in htdocs folder.

(Note: If XAMP server is installed on C drive then save your program at location - C:/Program Files/XAMPP/htdocs)

3. Open XAMP control panel



4. Start the Apache Server from Xamp control panel.
5. Open the browser and type http://localhost/
6. Run the file on browser with name with which it is saved.

OUTPUT

Average Temperature is : 70.6

List of five lowest temperatures : 60, 62, 63, 63, 64,

List of five highest temperatures : 76, 78, 79, 81, 85,

B8. Write a code to:

- a. Set up an html page with a form using which we will upload the file.
- b. Setup a PHP script to upload the file to the server as well as move the file to it's destination.
- c. Inform the user whether the upload was successful or not.

```
//fileupload.html
```

```
<html>
<body bgcolor="pink">
<center>
<h3> FILE UPLOADING </h3>
<hr>
<form action="fileupload.php" method="post" enctype="multipart/form-data">
<label for="file">Filename:</label>
<input type="file" name="file" id="file" />
<br />
<input type="submit" name="submit" value="Submit" />
</form>
</center>
</body>
</html>
```

```
//fileupload.php
```

```
<<html>
<head><title>File uploaded</title></head>
<body bgcolor="cyan" color="yellow">
<center>
<h3>File uploaded !! <h3>
<hr>
<?php
if ($_FILES["file"]["error"] > 0)
{
    echo "Error: " . $_FILES["file"]["error"] . "<br />";
}
else
{
    echo "Upload: " . $_FILES["file"]["name"] . "<br />";
    echo "Type: " . $_FILES["file"]["type"] . "<br />";
    echo "Size: " . ($_FILES["file"]["size"] / 1024) . " Kb<br />";
    echo "Stored in: " . $_FILES["file"]["tmp_name"];
}
?>
</center>
</body>
</html>
```

Procedure to execute :

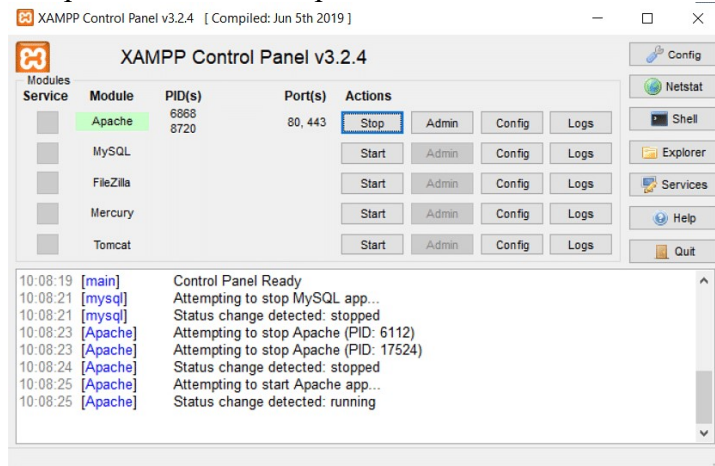
(Prerequisite: XAMP server installation)

7. Type the code in notepad

8. Save the file with .PHP in htdocs folder.

(Note: If XAMP server is installed on C drive then save your program at location - C:/Program Files/XAMPP/htdocs)

9. Open XAMP control panel



10. Start the Apache Server from Xamp control panel.

11. Open the browser and type http://localhost/

12. Run the file on browser with name with which it is saved.

OUTPUT:

