DIT UNIVERSITY DEHRADUN

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Lab Manual for the Academic Year 2019-20

Subject : Web Technology Lab
Subject code : CS345
Course coordinator : Devendra Prasad
HOD : Prof. Vishal Bharti

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GENERAL INSTRUCTIONS FOR LABORATORY CLASSES:-

DO'S

(1) Without Prior permission do not enter into the Laboratory.

(2) While entering into the LAB students should carry ID cards.

(3) The Students should come with proper uniform.

(4) Students should come with the record note book into the laboratory.

(5) Students should maintain silence inside the laboratory.

(6) After completing the laboratory exercise, make sure to shut-down the system properly.

DONT'S

(1) Students bringing the bags inside the laboratory.

(2) Students wearing slippers/shoes insides the laboratory.

(3) Students using the computers in an improper way.

(4) Students bringing pen drive or other secondary storage device inside the laboratory.

(5) Students using mobile phones inside the laboratory.

(6) Students making noise inside the laboratory.

System Requirements

1. Intel based desktop PC of 166MHz or faster processor with at least 256 MB RAM and 100 MB free disk space.
2. Latest HTML 5 supporting browsers.
3. XAMP 7.2.5.

Lab Objectives

1. Create web pages using HTML 5 and Cascading Style Sheets.
2. Build dynamic web pages using JavaScript (Client Side Programming) & Php (Server Side Programming).
3. Create XML documents and display them using CSS and XSLT.
4. Implementing AJAX.

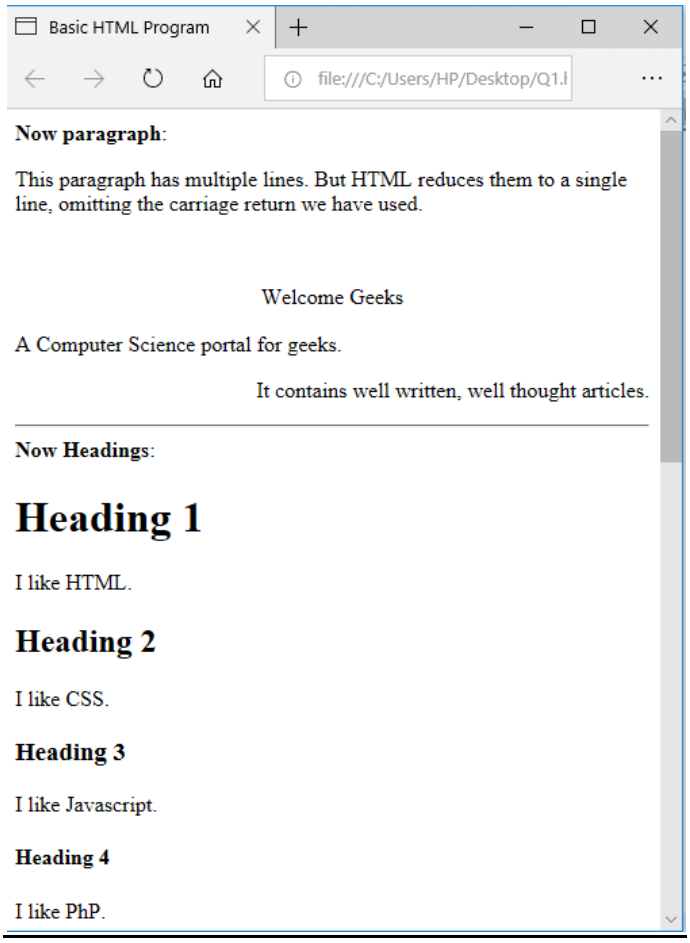
Practical – 1

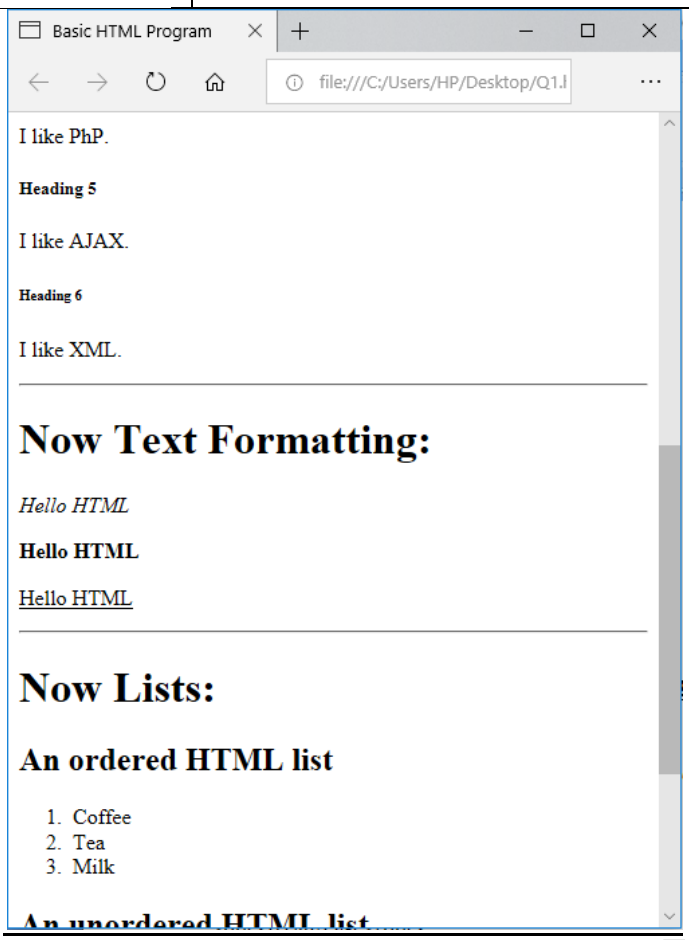
Objective: Write an HTML code which design a simple web page which includes basic tags like, <p>, <br>, <h1>…<h6>, <title>, <hr>, <I>, <b>, <u>, <li>, <ol>, <ul> and <dl>.

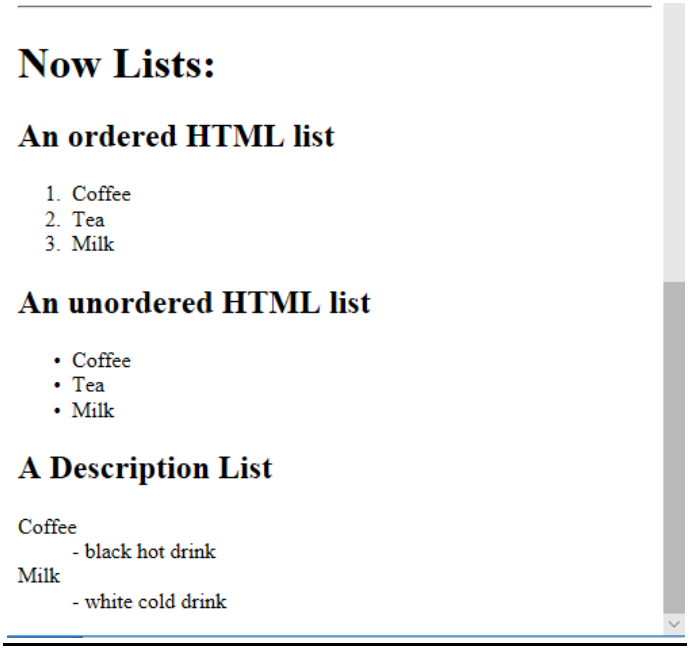
```
<!DOCTYPE html>
<html>
<head>
  <title>Basic HTML Program</title>
</head>
<body>
        <b>Now paragraph</b>:
  <p>
  This paragraph has multiple
  lines. But HTML reduces them
  to a single line, omitting
  the carriage return we have used.
  </p>
        <br>

        <p align="center">Welcome Geeks</p>
  <p align="left">A Computer Science
          portal for geeks.</p>
  <p align="right">It contains well
  written, well thought articles.</p>
<hr>
        <b>Now Headings</b>:
 <h1>Heading 1</h1>
  <p>I like HTML.</p>
  <h2>Heading 2</h2>
  <p>I like CSS.</p>
  <h3>Heading 3</h3>
  <p>I like Javascript.</p>
        <h4>Heading 4</h4>
  <p>I like PhP.</p>
        <h5>Heading 5</h5>
  <p>I like AJAX.</p>
        <h6>Heading 6</h6>
  <p>I like XML.</p>
<hr>
        <h1>Now Text Formatting:</h1>
        <p><i>Hello HTML </i></p>
        <p><b>Hello HTML</b></p>
        <p><u>Hello HTML</u></p>
```

```
<hr>
<h1>Now Lists:<br/></h1>
    <h2>An ordered HTML list</h2>
<ol>
 <li>Coffee</li>
 <li>Tea</li>
 <li>Milk</li>
</ol>

<h2>An unordered HTML list</h2>

<ul>
 <li>Coffee</li>
 <li>Tea</li>
 <li>Milk</li>
</ul>

<h2>A Description List</h2>

<dl>
 <dt>Coffee</dt>
 <dd>- black hot drink</dd>
 <dt>Milk</dt>
 <dd>- white cold drink</dd>
</dl>

</body>
</html>
```

OUTPUT:


Basic HTML Program
file:///C:/Users/HP/Desktop/Q1.I
Now paragraph:
This paragraph has multiple lines. But HTML reduces them to a single line, omitting the carriage return we have used.
Welcome Geeks
A Computer Science portal for geeks.
It contains well written, well thought articles.
Now Headings:
Heading 1
I like HTML.
Heading 2
I like CSS.
Heading 3
I like Javascript.
Heading 4
I like PhP.


Basic HTML Program
file:///C:/Users/HP/Desktop/Q1.I
I like PhP.
Heading 5
I like AJAX.
Heading 6
I like XML.
Now Text Formatting:
Hello HTML
Hello HTML
Hello HTML
Now Lists:
An ordered HTML list
1. Coffee
2. Tea
3. Milk
An unordered HTML list

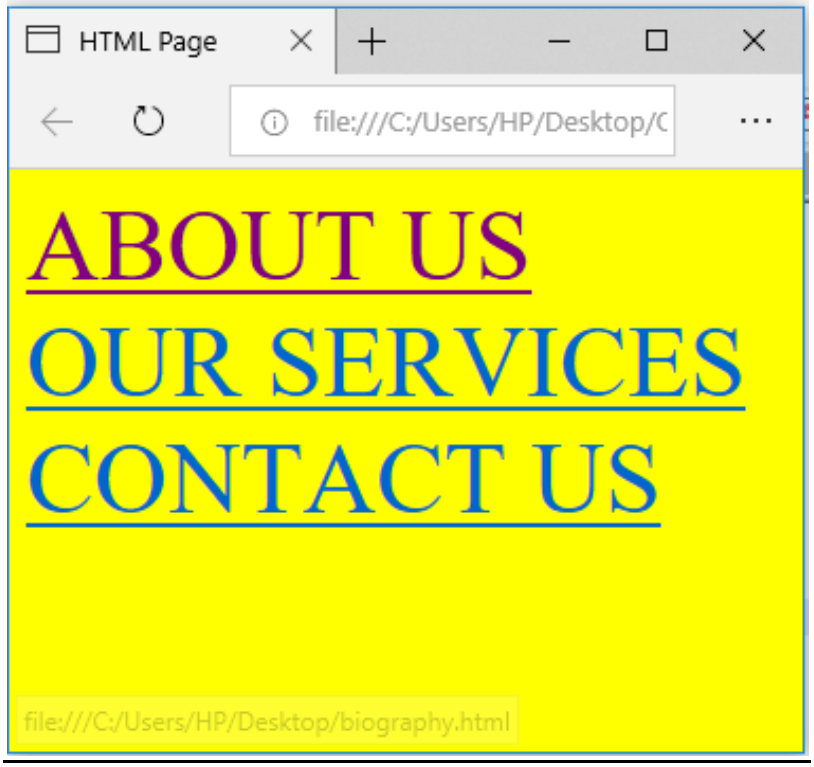

Now Lists:
An ordered HTML list
1. Coffee
2. Tea
3. Milk
An unordered HTML list
• Coffee
• Tea
• Milk
A Description List
Coffee
- black hot drink
Milk
- white cold drink

Practical: 2

Objective:- Write an HTML code to create a Home page having three links: About Us, Our Services and Contact Us. Create separate web pages for the three links.

```
<html>
<head>
<title>HTML Page</title>
</head>
<body bgcolor="yellow">
<font size="8">
<a href="about_us.html">ABOUT US</a><br/>
<a href="biography.html">OUR SERVICES</a><br/>
<a href="contact_us.html">CONTACT US</a></font>
</body>
</html>
```

OUTPUT:

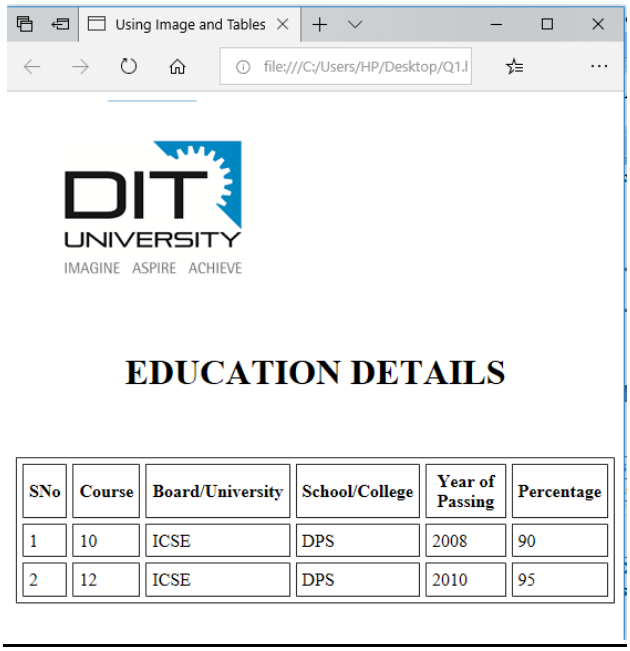


Practical: 3

Objective:- Write an HTML code which includes image of DIT logo and your education details in tabular format.

```
<!DOCTYPE html>
<html>

  <head>
    <title>Using Image and Tables in Webpage</title>
  </head>

  <body>

    <img src = "ditlogo.png" alt = "DIT University Logo" />
          <h1 align="center">EDUCATION DETAILS</h1><br><br>
<table border="1" background="gray" cellspacing="5" cellpadding="5">
<th>SNo</th>
<th>Course</th>
<th>Board/University</th>
<th>School/College</th>
<th>Year of Passing</th>
<th>Percentage</th>
<tr>
<td>1</td>
<td>10</td>
<td>ICSE</td>
<td>DPS</td>
<td>2008</td>
<td>90</td>
</tr>
<tr>
<td>2</td>
<td>12</td>
<td>ICSE</td>
<td>DPS</td>
<td>2010</td>
<td>95</td>
</tr>
</table>
  </body>

</html>
```

OUTPUT:



SNo	Course	Board/University	School/College	Year of Passing	Percentage
1	10	ICSE	DPS	2008	90
2	12	ICSE	DPS	2010	95

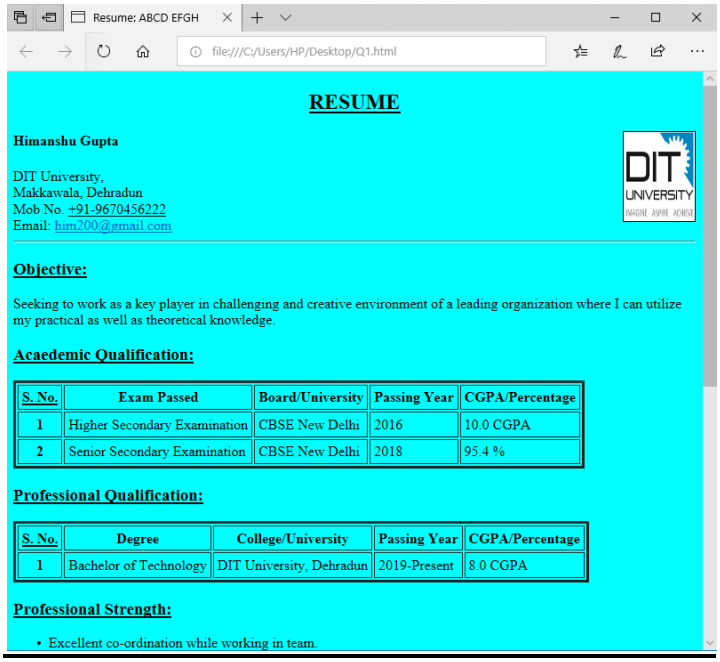
Practical: 4

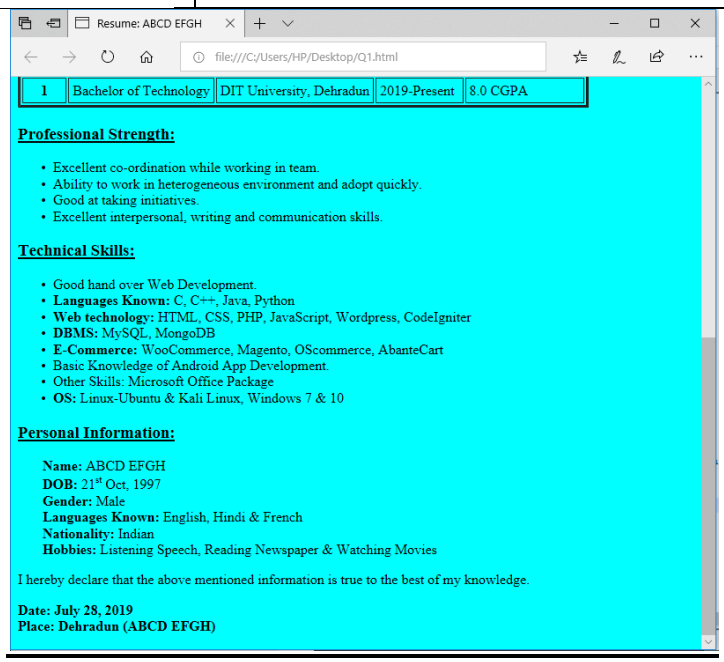
Objective:-Design your resume as a web page using Html 5 tags.

```
<!DOCTYPE html>
<html>
<head>
<title>Resume: ABCD EFGH</title>
</head>
<body bgcolor="Cyan">
<center><h2><u>RESUME</u></h2></center>
<img src="ditlogo.png" align="right" height=100 width=80 border=1 >
<h4>Himanshu Gupta</h4>
DIT University,<br>
Makkawala, Dehradun<br>
Mob No. +91-9670456222<br>
Email: <a href="mailto:him200@gmail.com">him200@gmail.com</a><hr>
<h3><u>Objective:</u></h3>
<p>Seeking to work as a key player in challenging and creative environment of a leading
organization where I can utilize my practical as well as theoretical knowledge.</p>
<h3><u>Acaedemic Qualification:</u></h3>
<table border=3 cellpadding=4>
<tr><th><u>S. No.</u></th><th>Exam Passed</th><th>Board/University</th><th>Passing
Year</th><th>CGPA/Percentage</th></tr>
<tr><th>1</th><td>Higher Secondary Examination</td><td>CBSE New
Delhi</td><td>2016</td><td>10.0 CGPA</td></tr>
<tr><th>2</th><td>Senior Secondary Examination</td><td>CBSE New
Delhi</td><td>2018</td><td>95.4 %</td></tr>
</table>
<h3><u>Professional Qualification:</u></h3>
<table border=3 cellpadding=4>
<tr><th><u>S. No.</u></th><th>Degree</th><th>College/University</th><th>Passing
Year</th><th>CGPA/Percentage</th></tr>
<tr><th>1</th><td>Bachelor of Technology</td><td>DIT University, Dehradun</td><td>2019-
Present</td><td>8.0 CGPA</td>
</table>
<h3><u>Professional Strength:</u></h3>
<ul>
<li>Excellent co-ordination while working in team.
<li>Ability to work in heterogeneous environment and adopt quickly.
<li>Good at taking initiatives.
<li>Excellent interpersonal, writing and communication skills.
</ul>
<h3><u>Technical Skills:</u></h3>
<ul>
<li>Good hand over Web Development.
```

```
<li><b>Languages Known:</b> C, C++, Java, Python
<li><b>Web technology:</b> HTML, CSS, PHP, JavaScript, Wordpress, CodeIgniter
<li><b>DBMS:</b> MySQL, MongoDB
<li><b>E-Commerce: </b> WooCommerce, Magento, OScommerce, AbanteCart
<li>Basic Knowledge of Android App Development.
<li>Other Skills: Microsoft Office Package
<li><b>OS:</b> Linux-Ubuntu & Kali Linux, Windows 7 & 10
</ul>
<h3><u>Personal Information:</u></h3>
       <b>Name:</b> ABCD EFGH<br>
       <b>DOB:</b> 21<sup>st</sup> Oct, 1997<br>
       <b>Gender:</b> Male<br>
       <b>Languages Known:</b> English, Hindi &
French<br>
       <b>Nationality:</b> Indian<br>
       <b>Hobbies:</b> Listening Speech, Reading
Newspaper & Watching Movies
<br>
<p>I hereby declare that the above mentioned information is true to the best of my knowledge.<p>
<b>Date: July 28, 2019<br>
Place: Dehradun
<b>(ABCD EFGH)</b>

</body>
</html>
```

Output:-





1	Bachelor of Technology	DIT University, Dehradun	2019-Present	8.0 CGPA

Professional Strength:

- Excellent co-ordination while working in team.
- Ability to work in heterogeneous environment and adopt quickly.
- Good at taking initiatives.
- Excellent interpersonal, writing and communication skills.

Technical Skills:

- Good hand over Web Development.
- **Languages Known:** C, C++, Java, Python
- **Web technology:** HTML, CSS, PHP, JavaScript, Wordpress, CodeIgniter
- **DBMS:** MySQL, MongoDB
- **E-Commerce:** WooCommerce, Magento, OScommerce, AbanteCart
- Basic Knowledge of Android App Development.
- Other Skills: Microsoft Office Package
- **OS:** Linux-Ubuntu & Kali Linux, Windows 7 & 10

Personal Information:

Name: ABCD EFGH
DOB: 21st Oct, 1997
Gender: Male
Languages Known: English, Hindi & French
Nationality: Indian
Hobbies: Listening Speech, Reading Newspaper & Watching Movies

I hereby declare that the above mentioned information is true to the best of my knowledge.

Date: July 28, 2019
Place: Dehradun (ABCD EFGH)

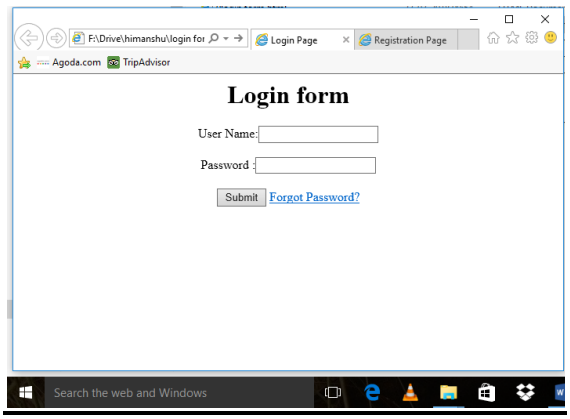
Practical – 5

Objective-Design webpages for LogIn Form, Registration form and Forgot Password Form using HTML.

Login Form:-

```
<html>
<head>
<title>Login Page</title>
</head>
<body>
<center>
<h1>Login form</h1>
<form action=”login.php” method=”POST”>
User Name:<input type="text" name="name"></br></br>
Password:<input type="password" name="name"></br></br>
<input type="Button" name="Submit" value="Submit">
<a href="forgot.html">Forgot Password?</a>
</center>
</form>
</body>
</html>
```

Output:-

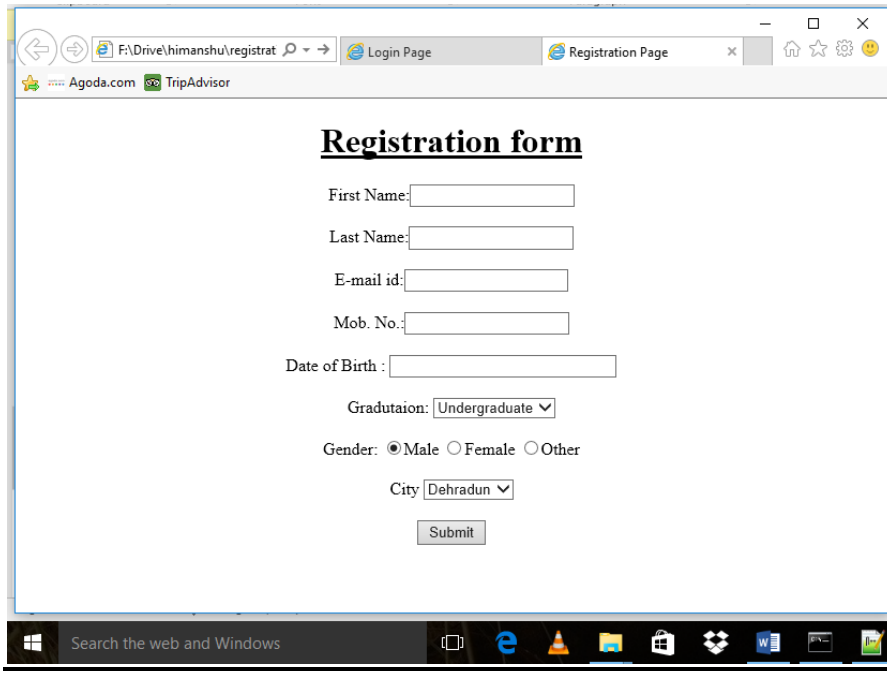


Registration Form:-

```
<html>
<head>
<title>Registration Page</title>
</head>
<body>
<center>
<h1><u>Registration form</u></h1>
<form action=”register.php” method=”POST”>
First Name:<input type="text" name="fname"></br></br>
Last Name:<input type="text" name="lname"></br></br>
E-mail id:<input type="text" name="id"></br></br>
Mob. No.:<input type="text" name="mno"></br></br>
Date of Birth : <input type="date" name="dob" size=30 ><br/></br>

Graduation:
<select name="drop down">
<option value="10th" selected/>10<sup>th<sup></option>
<option value="12th" selected/>12<sup>th<sup></option>
<option value="Undergraduate" selected/>Undergraduate</option>
<option value="Postgraduate" selected/>Postgraduate</option>
</select>
</br></br>
Gender:
<input type="radio" name="Gender"  value="Male" selected/>Male
<input type="radio" name="Gender"  value="Female">Female
<input type="radio" name="Gender"  value="Other">Other
</br></br>

City
<select name="drop down">
<option value="Delhi">Delhi</option>
<option value="Mumbai">Mumbai</option>
<option value="Bengaluru">Lucknow</option>
<option value="Noida">Noida</option>
<option value="Ahmedabad" selected/>Dehradun</option>
</select>
</br></br>
```

```
</strong>
<input type="Button" name="Submit" value="Submit">
</center>
</form>
</body>
</html>
```

Output:-

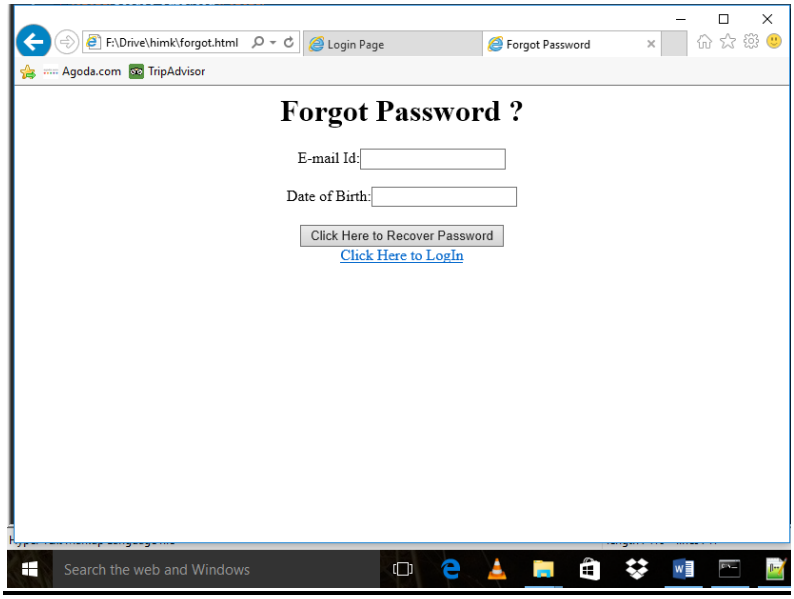


Forgot Password Form:-

```
<html>
<head>
<title>Login Page</title>
</head>
<body>
<center>
<h1>Forgot Password ?</h1>
<form action="forgot.php" method="POST">
E-mail Id:<input type="text" name="name"></br></br>
Date of Birth:<input type="text" name="dob"></br></br>
<input type="Button" name="Submit" value="Click Here to Recover Password">
<a href="login.html">Click Here to LogIn</a>
</center>
</form>
```

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

Output:-



Practical – 6

Objective-Apply Internal, External and Inline CSS to Resume.

```
<html>
<head>
<style><!--Internal Style-->
h3{
color:maroon;
margin-left:10px;
}
</style>
<title>Resume: ABCD EFGH</title>
<link href="my.css" type="text/css" rel="stylesheet">
</head>
<body bgcolor="Cyan">
<div class="header">
<center><h2 style="color:blue;margin-left:30px;"><u>RESUME</u></h2></center> <!--INLINE STYLE-->
</div>
<div class="container">
<!--Left Section-->
<br/><br/><br/><br/>

<div class="content">
<img src="ditlogo.png" align="right" height="100" width="80" border="1" >
```

```
<h4>ABCD EFGH</h4>

DIT University,<br>

Makkawala, Dehradun<br>

Mob No. +91-9670456XXX<br>

Email: <a href="mailto:him200@gmail.com">him200@gmail.com</a>

<hr>

<h3><u>Objective:</u></h3>

<p>Seeking to work as a key player in challenging and creative environment of a leading
organization where I can utilize my practical as well as theoretical knowledge.</p>

<section id="qual">

<h3><u>Acaedemic Qualification:</u></h3>

<table border=3 cellpadding=4>

<tr><th><u>S. No.</u></th><th>Exam Passed</th><th>Board/University</th><th>Passing
Year</th><th>CGPA/Percentage</th></tr>

<tr><th>1</th><td>Higher Secondary Examination</td><td>CBSE New
Delhi</td><td>2016</td><td>10.0 CGPA</td></tr>

<tr><th>2</th><td>Senior Secondary Examination</td><td>CBSE New
Delhi</td><td>2018</td><td>95.4 %</td></tr>

</table>

<h3><u>Professional Qualification:</u></h3>

<table border=3 cellpadding=4>

<tr><th><u>S. No.</u></th><th>Degree</th><th>College/University</th><th>Passing
Year</th><th>CGPA/Percentage</th></tr>

<tr><th>1</th><td>Bachelor of Technology</td><td>DIT University, Dehradun</td><td>2019-
Present</td><td>8.0 CGPA</td>

 </table>

 </body>
```

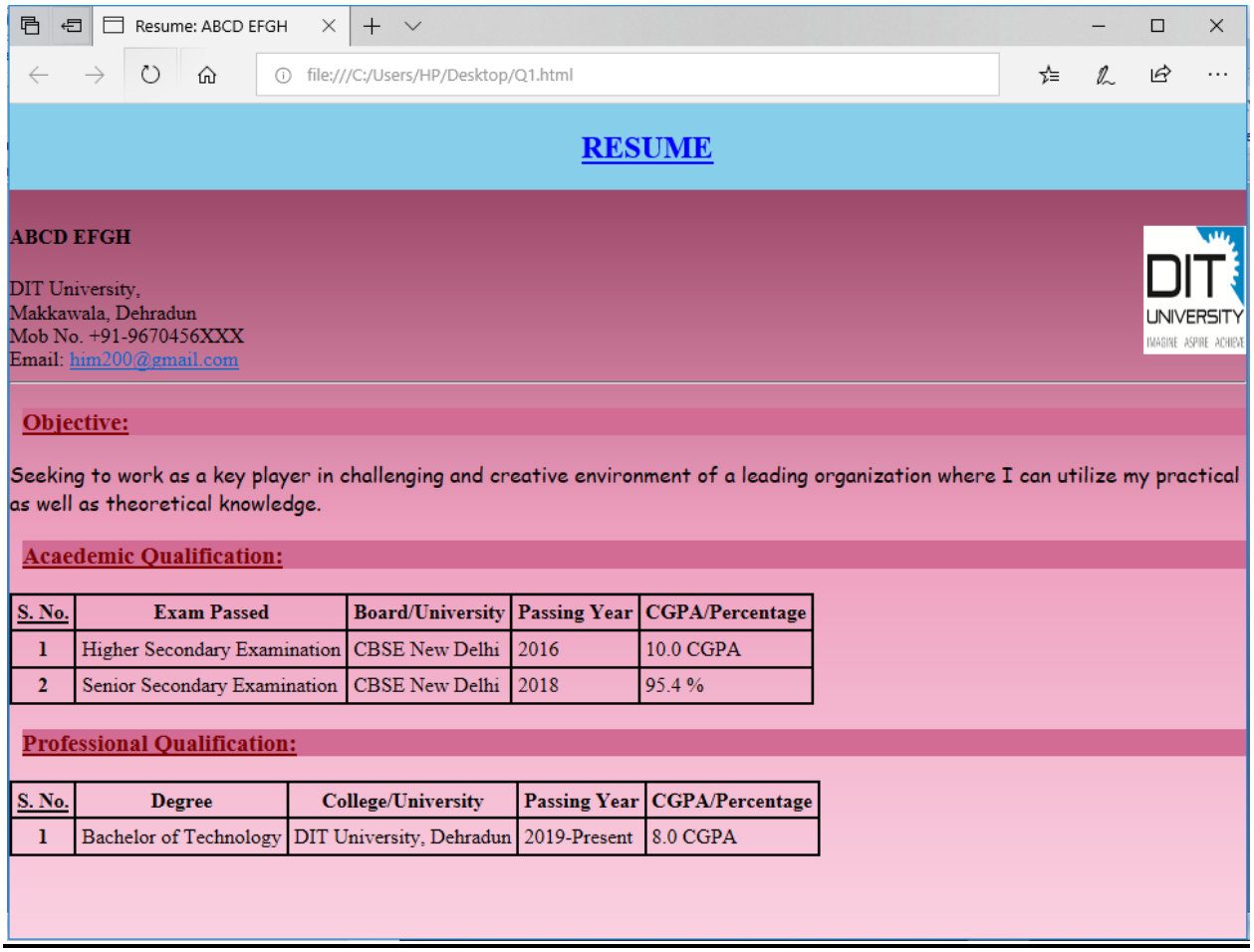
```
</html>
```

my.css(External CSS)

```
.body{
background:linear-gradient(#883354,#ED9EBD,#FAD1E1);
margin:0px;
}
.header{
background:skyblue;
position:fixed;
width:100%;
float:top;
}
.footer{
background:skyblue;
position:fixed;
width:100%;
bottom:0px;
}
.left{
position:fixed;
width:50%;
float:left;
}
.left ul li{
margin-top:20px;
list-style:none;
display:block;
}
.left ul li a{
        text-decoration:none;
        background-color:#883354;
        width:100%;
        color:#FFFFFF;
        font-weight:2px;
}
.right{
width:20%
float:right;
}
h2{
color:#883354;
}
h3{
background:#D36C94;}
```

```
p{
font-family:Comic Sans MS
}
img{
border:5;
border-color:red;
}
table,th,td{
border:2px solid black;
border-collapse:collapse;
}
```

Output:-

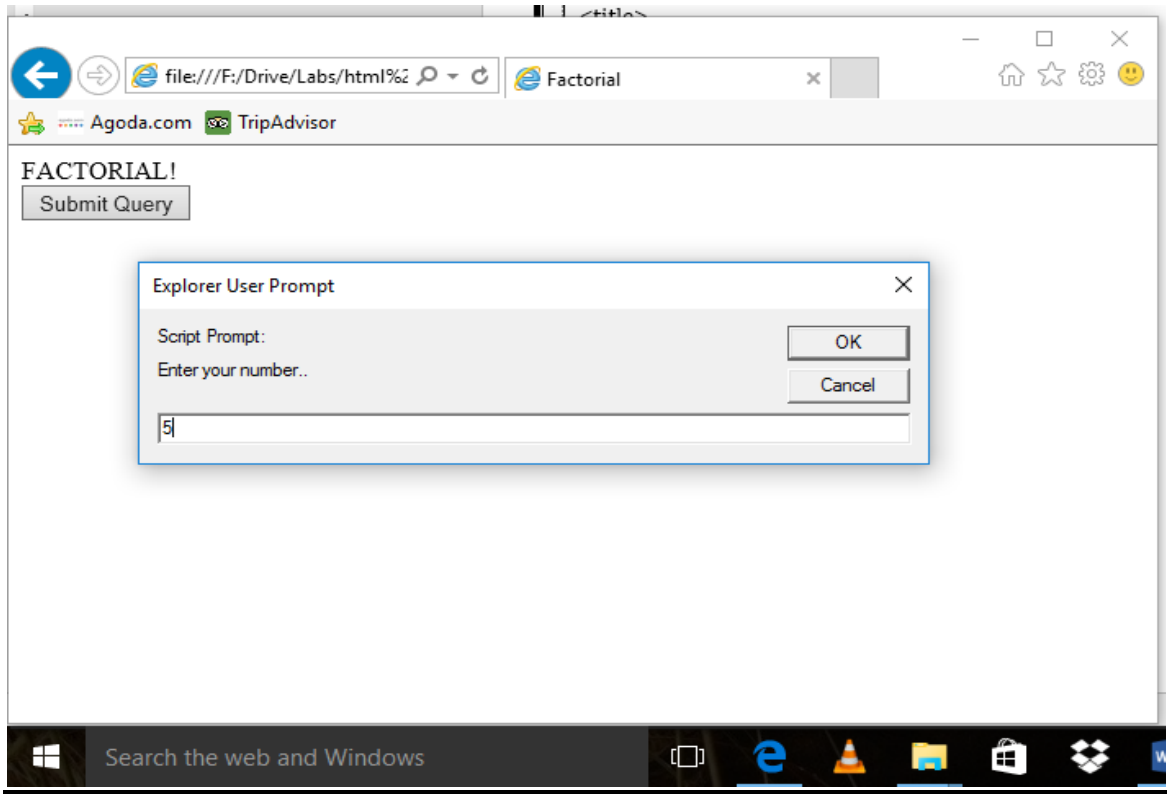


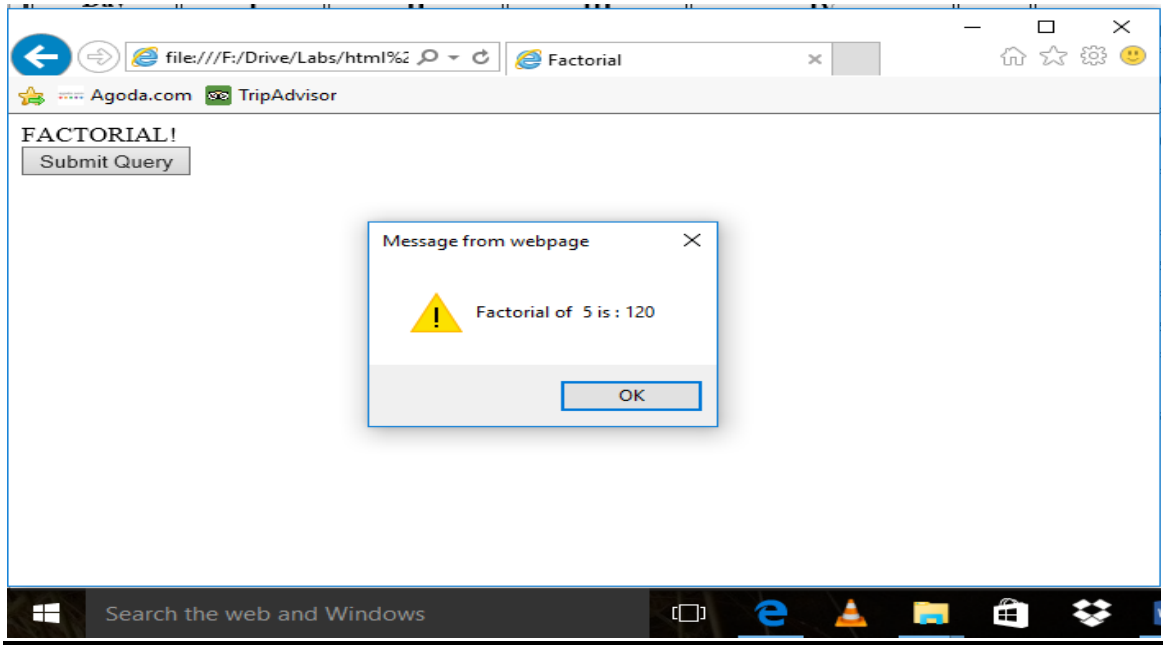
Practical – 7

Objective:- Write a JavaScript for calculating the factorial of a number.

```
<html>
<head>
<title>
Factorial
</title>
<script>

function fact()
{
var i , f=1;
var x = prompt("Enter your number..");

        if ( x==0 || x==1)
        {
        alert("Factorial of "+x+" is: 1");
        }
        else
        {
                for ( i=1 ; i<=x ; i++)
                {
                f = f * i;
                }
                alert("Factorial of  "+x+" is : "+f);
        }
}
</script>
</head>
<body>
FACTORIAL!
<form name="f1">
<input type=submit name="Click Here" onClick="fact()">
</form>
</body>
</html>
```

Output:-


file:///F:/Drive/Labs/html%2
Factorial
Agoda.com
TripAdvisor
FACTORIAL!
Submit Query
Explorer User Prompt
Script Prompt:
Enter your number..
OK
Cancel
5
Search the web and Windows

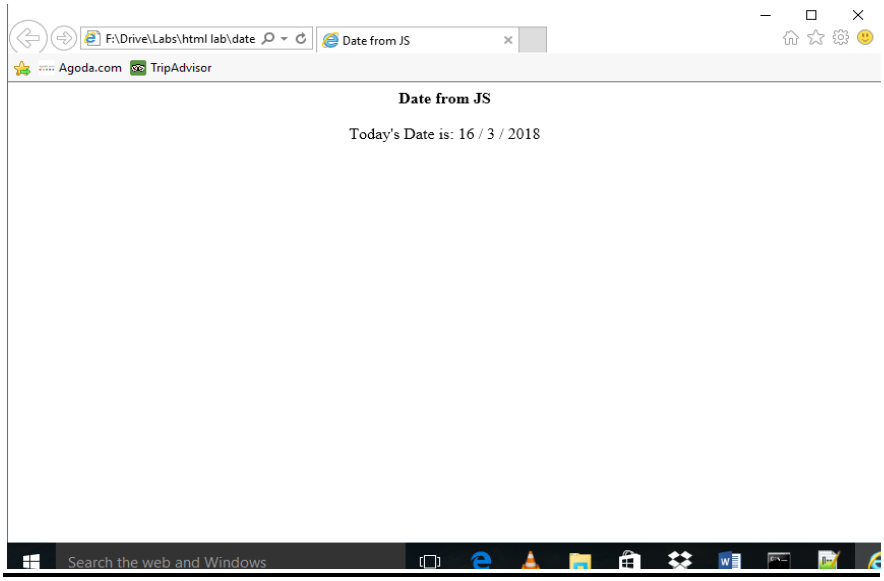

file:///F:/Drive/Labs/html%2
Factorial
Agoda.com
TripAdvisor
FACTORIAL!
Submit Query
Message from webpage
Factorial of 5 is : 120
OK
Search the web and Windows

Practical – 8

Objective-Write a JavaScript for declaring math, String and date object.

```
<html>
<head>
<title>Date from JS</title>
</head>
<body>
<center>
<b>Date from JS</b><br><br>
<script>
var d=new Date();
var a=d.getDate();
var b=d.getMonth();
var c=d.getFullYear();
document.write("Today's Date is: "+a+"/"+(b+1)+"/"+c+" ");
</script>
</center
</body>
</html>
```

Output:-



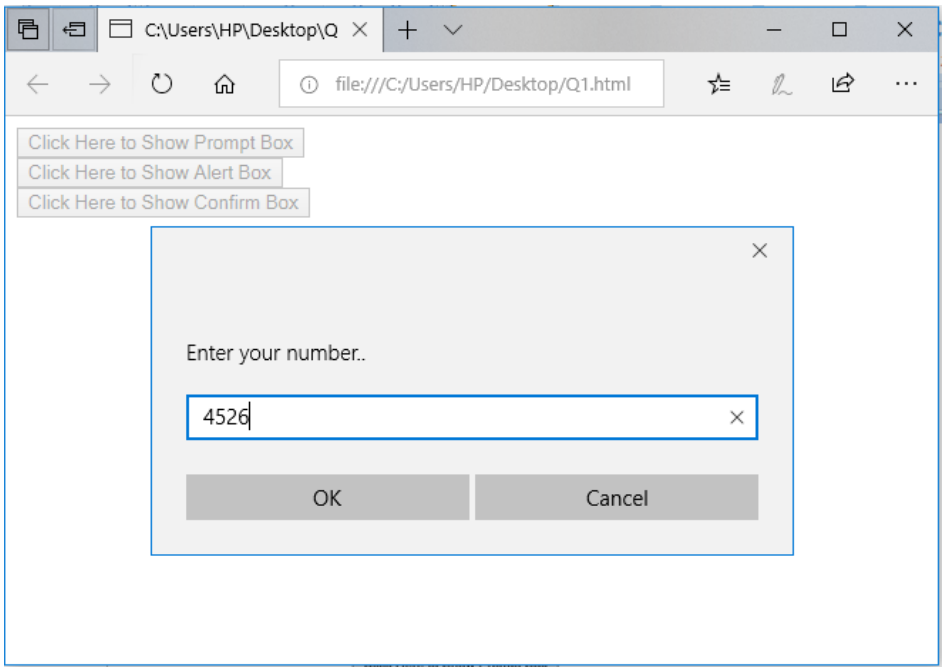
Practical – 9

Objective-Write a JavaScript for demonstrating all three types of Pop boxes.

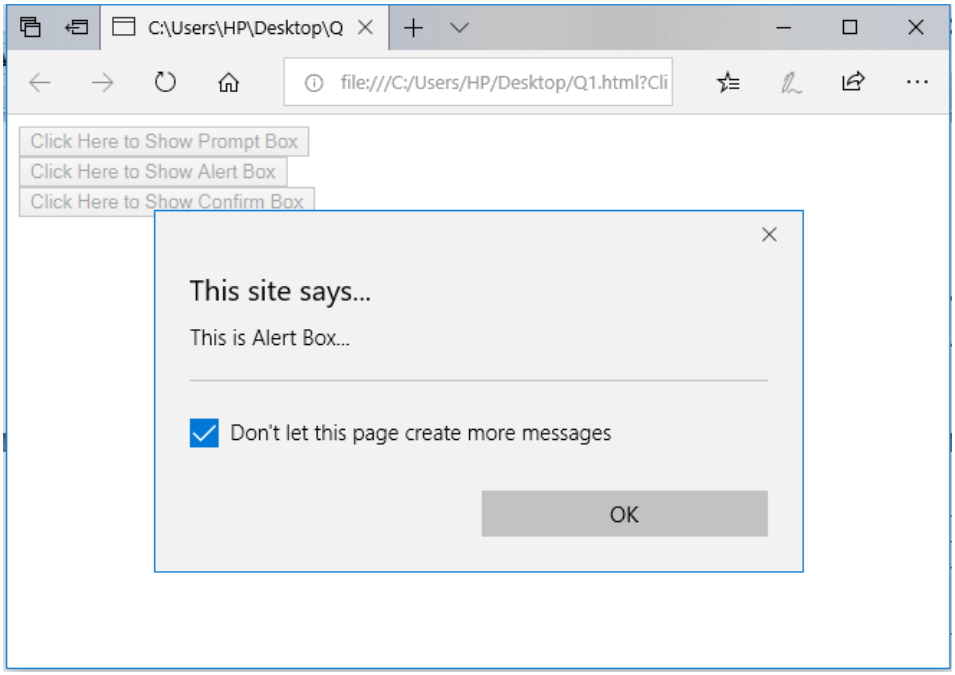
```
<!DOCTYPE html>
<html>
<body>
<script>
function prompt_f()
{
        var x = prompt("Enter your number..");
}
function alert_f()
{
        alert("This is Alert Box...");
}
function conf_f()
{
        y=confirm("This is Confirm Box...");
}
</script>
</head>
<body>
<form name="f1">
<input type="submit" name="Click Here to Show Prompt Box" value="Click Here to Show Prompt
Box" onClick="prompt_f()"><br>
<input type="submit" name="Click Here to Show Alert Box" value="Click Here to Show Alert Box"
onClick="alert_f()"><br>
<input type="submit" name="Click Here to Show Confirm Box" value="Click Here to Show Confirm
Box" onClick="conf_f()"><br>
</form>
</body>
</html>
```

Output:-

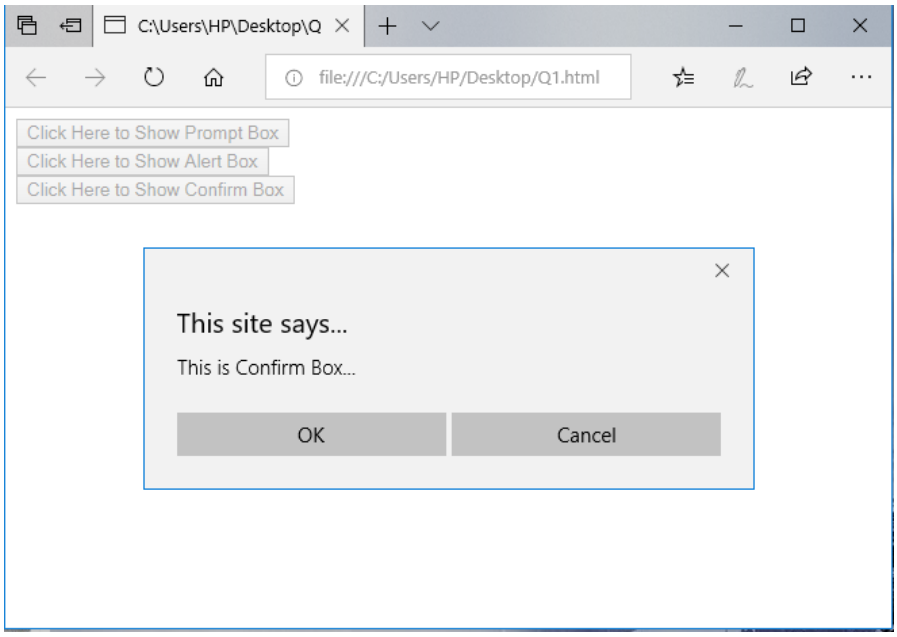
Prompt Box:-



Alert Box:-



Confirm Box:-

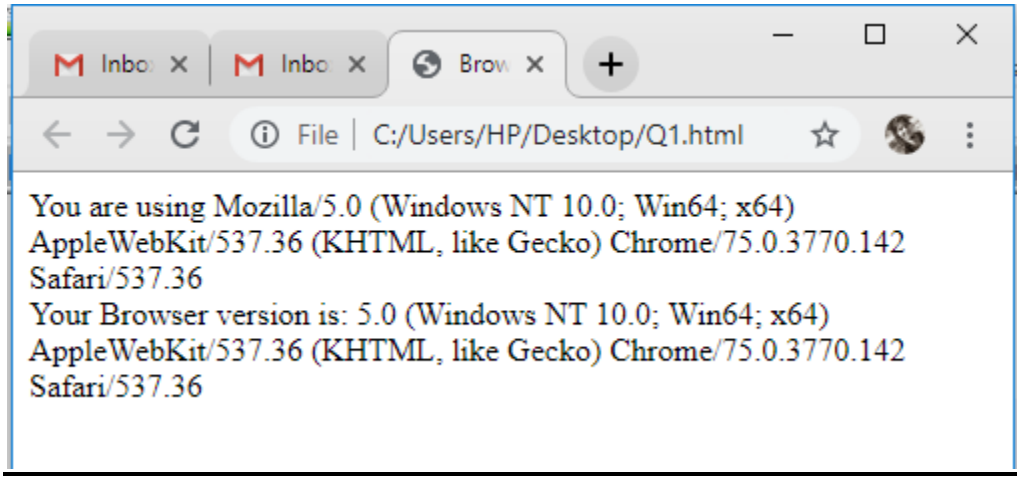

C:\Users\HP\Desktop\Q
file:///C:/Users/HP/Desktop/Q1.html
Click Here to Show Prompt Box
Click Here to Show Alert Box
Click Here to Show Confirm Box
This site says...
This is Confirm Box...
OK
Cancel

Practical – 10

Objective-Write a JavaScript for displaying browser information using navigation object.

```
<html>
<head>
<title>Browser Info using Navigation</title>
</head>
<body>
<script type="text/javascript">
var userAgent=navigator.userAgent;
var version=navigator.appVersion;
document.write("You are using "+userAgent );
document.write("<br/> Your Browser version is: "+version);
</script>
</body>
</html>
```

Output:-



Practical – 11

Objective-Create an XML document for storing information about 5 books and display them using CSS.

XML FILE:-

```
<?xml version="1.0" encoding="UTF-8" ?>
<?xml-stylesheet type="text/css" href="mystyle.css"?>
<books>
<book>
<book_name>Five Point Someone</book_name>
<author>Chetan Bhagat</author>
<pub_date>2004</pub_date>
</book>
<book>
<book_name>Wings of Fire</book_name>
<author>APJ Abdul Kalaam</author>
<pub_date>1999</pub_date>
</book>
<book>
<book_name>My Nation My Life</book_name>
<author>L.K. Advani</author>
<pub_date>2008</pub_date>
</book>
<book>
<book_name>The Flight of Pigeons</book_name>
<author>Ruskin Bond</author>
<pub_date>2003</pub_date>
</book>
<book>
<book_name>The Broken Wing</book_name>
<author>Sarojini Naidu</author>
<pub_date>1917</pub_date>
</book>
</books>
```

mystyle.css:-

```
book_name{
        font-family:Comic Sans MS;
        text-align:left;
        font-size:24px;
        display:block;
        background-color:yellow;
        margin-left:5px;
}
author{
        text-align:center;
        display:block;
        font-size:20px;
}
book{
        padding:5px;
}
pub_date{
        text-align:center;
        display:block;
        font-size:20px;
}
```

Output:-

Practical – 12

Objective-Create an XML document for storing information about 5 students and display them using XSLT.

XML FILE:-

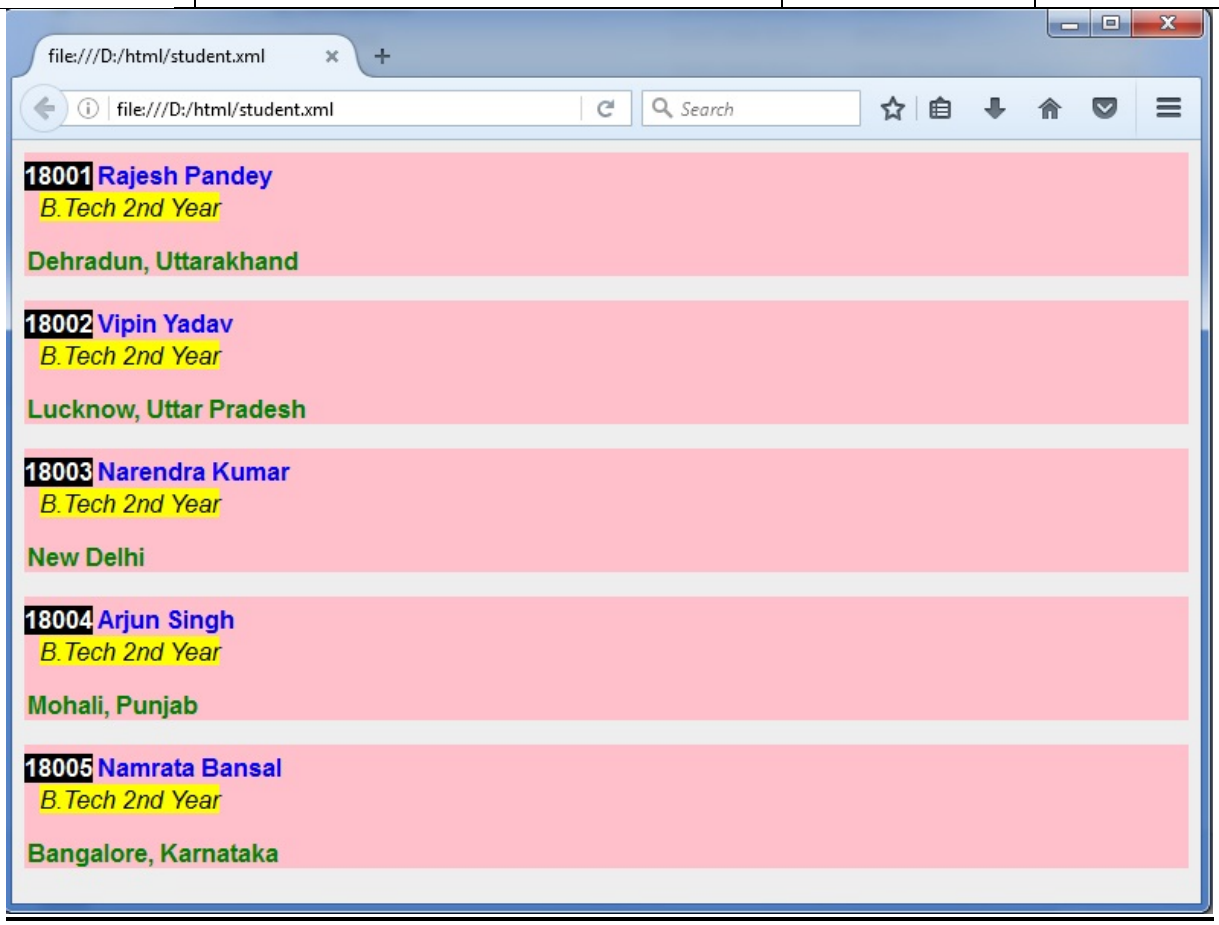
```
<?xml version="1.0" encoding="UTF-8" ?>
<?xml-stylesheet type="text/xsl" href="style.xsl"?>

<student_list>

<student>
<id>18001</id>
<name>Rajesh Pandey</name>
<course>B.Tech 2nd Year</course>
<address>Dehradun, Uttarakhand</address>
</student>
<student>
<id>18002</id>
<name>Vipin Yadav</name>
<course>B.Tech 2nd Year</course>
<address>Lucknow, Uttar Pradesh</address>
</student>
<student>
<id>18003</id>
<name>Narendra Kumar</name>
<course>B.Tech 2nd Year</course>
<address>New Delhi</address>
</student>
<student>
<id>18004</id>
<name>Arjun Singh</name>
<course>B.Tech 2nd Year</course>
<address>Mohali, Punjab</address>
</student>
<student>
<id>18005</id>
<name>Namrata Bansal</name>
<course>B.Tech 2nd Year</course>
```

```
<address>Bangalore, Karnataka</address>
</student>

</student_list>
```

style.css:-

```
<?xml version="1.0" encoding="UTF-8"?>
<html xsl:version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<body style="font-family:Arial;font-size:12pt;background-color:#EEEEEE">
<xsl:for-each select="student_list/student">
        <div style="background-color:pink; padding-top:5px;">
        <span style="background-color:black;font-weight:bold;color:white;">
        <xsl:value-of select="id"/>
        </span>
        <span style="margin-left:3px;font-weight:bold;color:blue;">
        <xsl:value-of select="name"/>
        </span>
        <br />
        <span style="margin-left:10px;font-style:italic;background-color:yellow;">
        <xsl:value-of select="course"/>
        </span>
        <p>
        <span style="margin-left:2px;font-weight:bold;color:green;">
        <xsl:value-of select="address"/>
        </span>
        </p>
        </div>
</xsl:for-each>
</body>
</html>
```

Output:


file:///D:/html/student.xml
file:///D:/html/student.xml
Search
18001 Rajesh Pandey
B.Tech 2nd Year
Dehradun, Uttarakhand
18002 Vipin Yadav
B.Tech 2nd Year
Lucknow, Uttar Pradesh
18003 Narendra Kumar
B.Tech 2nd Year
New Delhi
18004 Arjun Singh
B.Tech 2nd Year
Mohali, Punjab
18005 Namrata Bansal
B.Tech 2nd Year
Bangalore, Karnataka

Practical – 13

Objective-Write a JavaScript for fetching the information from XML document.

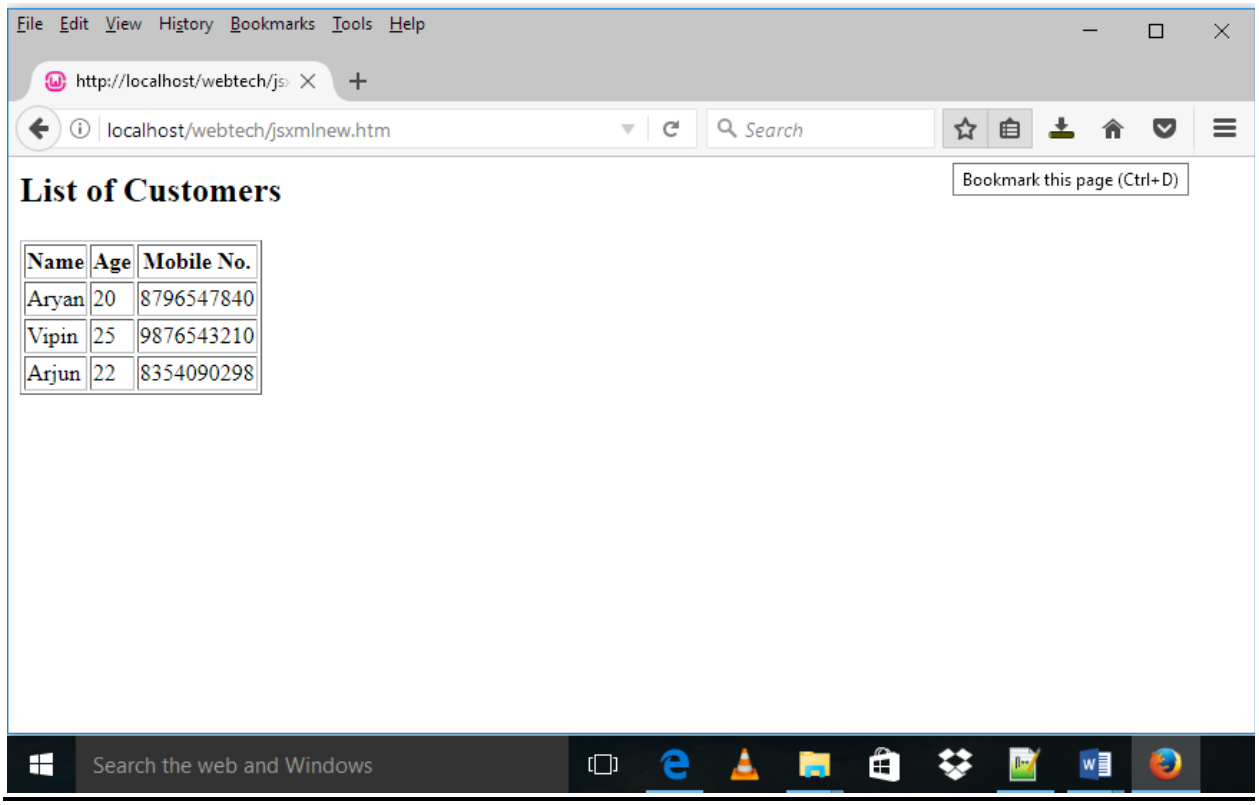
```
<html>
<head>
<script language="JavaScript">

var Connect=new XMLHttpRequest();

Connect.open("GET","jsxmlnew.xml",false);
Connect.setRequestHeader("Content-Type","text/xml");
Connect.send(null);

var TheDocument =Connect.responseXML;

var Customers=TheDocument.childNodes[0];

document.write("<h2>List of Customers</h2>");
document.write("<table border=1>");
document.write("<tr><th>Name</th><th>Age</th><th>Mobile No.</th></tr>");

for(var i=0; i<Customers.children.length; i++){

var Customer=Customers.children[i];

var Name=Customer.children[0];
document.write("<tr><td>");
document.write(Name.textContent.toString());
var Age=Customer.children[1];
document.write("</td><td>");
document.write(Age.textContent.toString());
var mob=Customer.children[2];
document.write("</td><td>");
document.write(mob.textContent.toString());
document.write("</td></tr>");
```

```
}

</script>
</head>
</html>
```

XML FILE:-

```
<?xml version="1.0" encoding="UTF-8"?>
<customers>
<customer>
<Name>Aryan</Name>
<Age>20</Age>
<mob_no>8796547840</mob_no>
</customer>
<customer>
<Name>Vipin</Name>
<Age>25</Age>
<mob_no>9876543210</mob_no>
</customer>
<customer>
<Name>Arjun</Name>
<Age>22</Age>
<mob_no>8354090298</mob_no>
</customer>
</customers>
```

Output:-


File Edit View History Bookmarks Tools Help
http://localhost/webtech/js
localhost/webtech/jsxmlnew.htm
Search
Bookmark this page (Ctrl+D)
List of Customers
Name Age Mobile No.
Aryan 20 8796547840
Vipin 25 9876543210
Arjun 22 8354090298
Search the web and Windows

Practical – 14

Objective-Write Ajax code to display the details of XML document on a web page.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>Retrieve data from server as XML using Ajax</title>
<style type="text/css">
body {padding-top: 40px; padding-left: 5%}
li {list-style: none; margin:5px 0 5px 0; color:#FF0000}
</style>
</head>
<body>
<p><button style="color:red;border-color:black;font-size:24px;" data-toggle="button"
id="w3r_button" onclick="show_updates('ajax.xml')">Click Button to show List of IT
Companies</button></p>
<div id="updates">
</div>
<script type="text/javascript">
function show_updates(url)
{
var xhr;
var output,w3r,w3,i;
if (window.XMLHttpRequest)
 {// code for IE7+, Firefox, Chrome, Opera, Safari
 xhr=new XMLHttpRequest();
 }
else
 {// code for IE6, IE5
 xhr=new ActiveXObject("Microsoft.XMLHTTP");
 }
xhr.onreadystatechange=function()
 {
```

```
 if (xhr.readyState==4 && xhr.status==200)
  {
  output="<div class='well'>";
  w3=xhr.responseXML.documentElement.getElementsByTagName("item");
for (i=0;i<w3.length;i++)
   {
   w3r=w3[i].getElementsByTagName("title");
        w3r1=w3[i].getElementsByTagName("link");
    {
    try
     {
                output=output + "<p><a href=" + w3r1[0].firstChild.nodeValue + ">" +
w3r[0].firstChild.nodeValue + "</a></p>";
      }
     catch (er)
      {
      output=output + "<p></p>";
      }
     }
  w3r=w3[i].getElementsByTagName("description");
   {
    try
     {
     output=output + "<p>" + w3r[0].firstChild.nodeValue + "</p><hr>";
              }
     catch (er)
      {
      output=output + "<p></p>";
             }
     }
   }
   output=output + "</div>";
  document.getElementById('updates').innerHTML=output;
  }
 }
xhr.open("GET",url,true);
xhr.send();
```

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

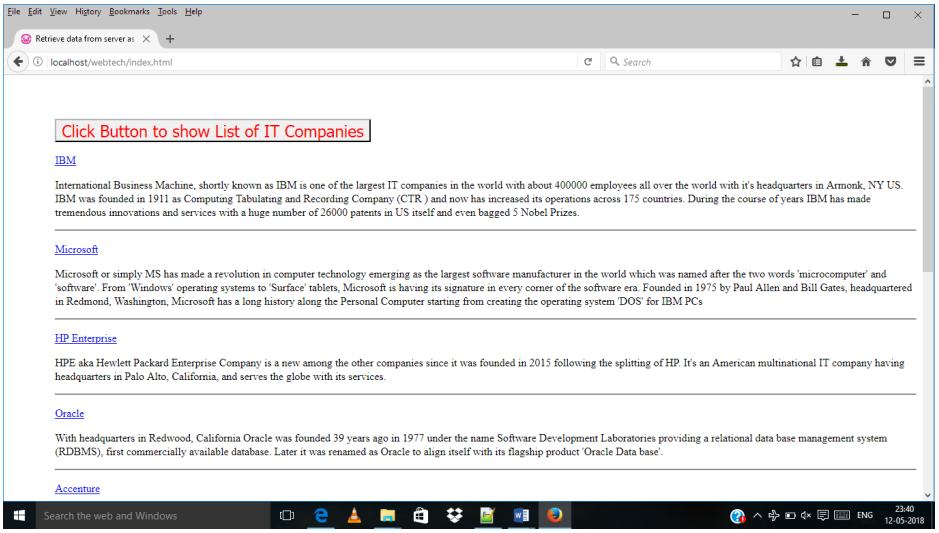
XML FILE:-

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<rss version="2.0">
<channel>
<item>
<title>IBM</title>
<link>https://www.ibm.com/</link>
<description>International Business Machine, shortly known as IBM is one of the largest IT companies in the world with about 400000 employees all over the world with it's headquarters in Armonk, NY US. IBM was founded in 1911 as Computing Tabulating and Recording Company (CTR ) and now has increased its operations across 175 countries. During the course of years IBM has made tremendous innovations and services with a huge number of 26000 patents in US itself and even bagged 5 Nobel Prizes.
        </description>
</item>
<item>
<title>Microsoft</title>
<link>https://www.microsoft.com/en-in</link>
<description>Microsoft or simply MS has made a revolution in computer technology emerging as the largest software manufacturer in the world which was named after the two words 'microcomputer' and 'software'. From 'Windows' operating systems to 'Surface' tablets, Microsoft is having its signature in every corner of the software era. Founded in 1975 by Paul Allen and Bill Gates, headquartered in Redmond, Washington, Microsoft has a long history along the Personal Computer starting from creating the operating system 'DOS' for IBM PCs
        </description>
</item>
<item>
<title>HP Enterprise</title>
<link>www8.hp.com/in/en/home.html</link>
<description>HPE aka Hewlett Packard Enterprise Company is a new among the other companies since it was founded in 2015 following the splitting of HP. It's an American multinational IT company having headquarters in Palo Alto, California, and serves the globe with its services.</description>
</item>
<item>
<title>Oracle</title>
```

<link>https://www.oracle.com/in/index.html</link>
<description>With headquarters in Redwood, California Oracle was founded 39 years ago in 1977 under the name Software Development Laboratories providing a relational data base management system (RDBMS), first commercially available database. Later it was renamed as Oracle to align itself with its flagship product 'Oracle Data base'.
</description>
</item>
<item>
<title>Accenture</title>
<link>https://www.accenture.com/in-en</link>
<description>Accenture is an another non-American Technological Service firm Headquartered in Dublin, Ireland, which has now spread across 120 countries with most of its employees in India. Accenture started as the business consulting division of Anderson consulting later renamed as the company name itself in 2001. Accenture provides various services and operations like Accenture Strategy, Accenture Consulting, Accenture Digital etc.
</description>
</item>
<item>
<title>SAP</title>
<link>https://www.sap.com/index.html</link>
<description>SAP stands for Systems, Applications and Products denoting their services. It was founded in 1972 and now has increased it's service over 3 lakh customers in 180 countries of which 80% are small and medium sized businesses.
</description>
</item>
<item>
<title>Tata Consultancy Services</title>
<link>https://www.tcs.com/</link>
<description>It was founded in 1968 by J R D Tata and F C Kohli in Mumbai and became an independent entity in 1995, and with the strong backing of the Tata Group it started to grow rapidly. With clients around 46 countries TCS is one of the Big 4 most valuable IT companies worldwide.
</description>
</item>
<item>
<title>Cognizant</title>
<link>https://www.cognizant.com/</link>
<description>The company was originally found as a technical unit of Dun n Bradstreet 1996 headquartered in Chennai by Kumar Mahadeva. Later Dun n Bradstreet spun off their subsidiary companies to form Cognizant and head quarters moved to New Jersey, US and started serving

external clients. Cognizant had a period of fast growth during the 2000s, becoming a Fortune 500 company in 2011 and now is the one of the world's most admired IT service provider.
</description>
</item>
<item>
<title>Capgemini</title>
<link>https://www.capgemini.com/</link>
<description>Capgemini is an European IT consultancy headqautered in Paris,France. It was founded by Serge Kampf in 1967. It is one of the largest IT service providers with around 2 lakh employees all around the world having presence in more than 45 countries. Over the years Capgemini has acquired more than 25 small and large companies and has concentrated on the organic growth too.
</description>
</item>
<item>
<title>Infosys</title>
<link>https://www.infosys.com/</link>
<description>The second Indian IT company to feature on the list is the home-grown IT services giant Infosys, which was established by N R Narayanamurthy and six engineers in Pune with a mere capital of 250$. They started expanding globally just within six years after inception when they opened their first international office in Boston, US.
</description>
</item>
</channel>
</rss>

Output:-

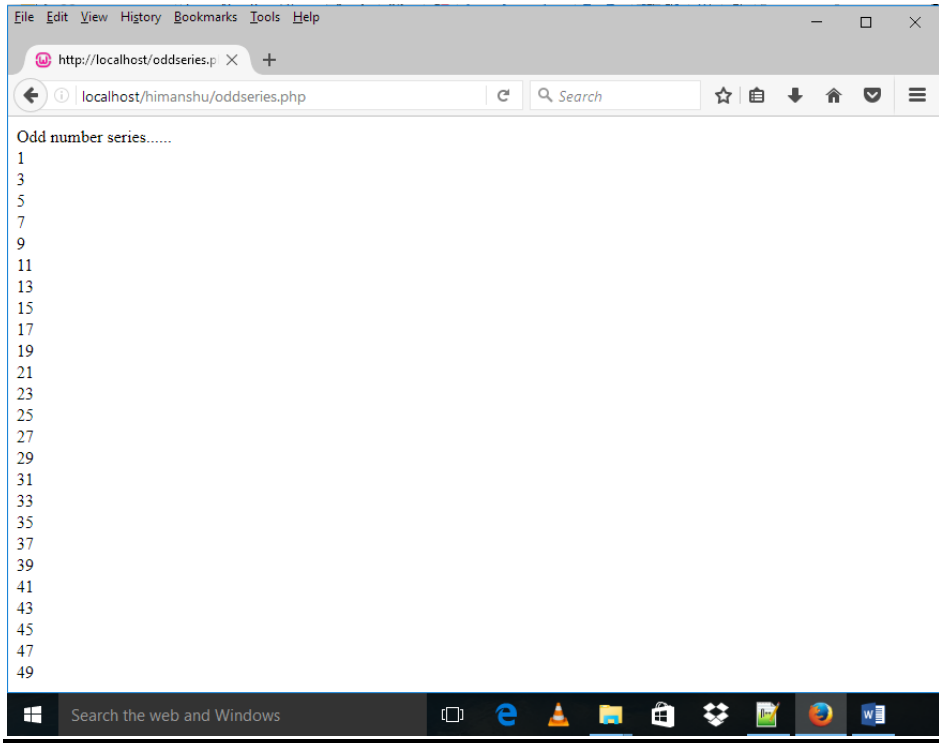


Practical – 15

Objective-Write PHP script to print odd number series.

```
<?php
$x=1;
echo "Odd number series.....<br/>";

while($x<50){
        echo $x."<br/>";
        $x+=2;
        }
?>
```

Output:-



Practical – 16

Objective-Write PHP code for inserting and fetching records from database.

Database structure:

```
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| rollno  | int(10)     | NO   | PRI | NULL    |       |
| name    | varchar(50) | YES  |     | NULL    |       |
| contact | varchar(10) | YES  |     | NULL    |       |
| address | varchar(100) | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
```

index.html File:-

```
<html>
<head>
<title>Inserting Data in PHP</title>
</head>
<body>
<h3>Inserting Data in PHP</h3>
<form name="f1" method="POST" action="submit.php">
<label>Roll No:</label>
<input type="text" name="roll" placeholder="Enter Roll No: "><br><br>
<label>Name:</label>
<input type="text" name="name" placeholder="Enter Name: "><br><br>
<label>Contact No.:</label>
<input type="text" name="mobile" placeholder="Enter Contact No: "><br><br>
<label>Address:</label>
<textarea name="address">Enter Address:
```

```
</textarea><br><br>
<input type="submit" value="Insert Data">
</body>
</html>
```

submit.php File:-

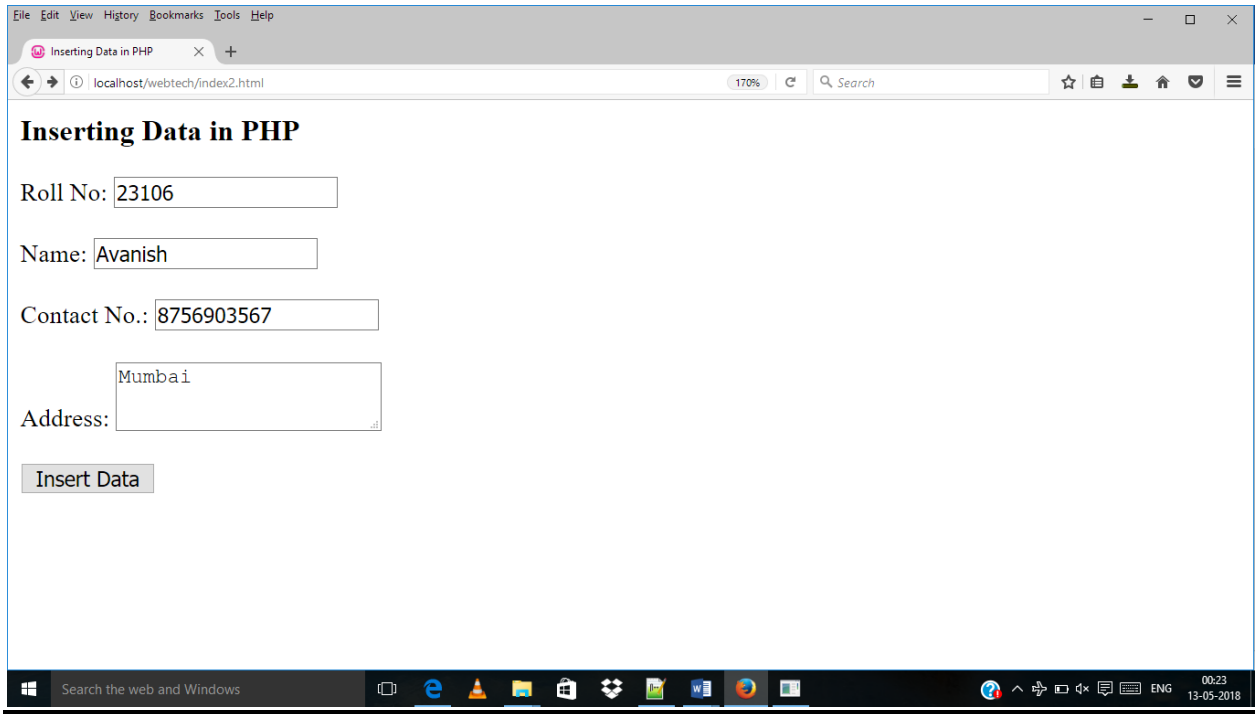
```
<?php

$db=mysqli_connect('localhost','root','','webtech');
if(mysqli_connect_errno()){
        echo "Database connection fails";
        die();
}

$roll_no=$_POST['roll'];
$name=$_POST['name'];
$contact=$_POST['mobile'];
$address=$_POST['address'];


//echo $roll_no."".$name."".$contact." ".$address;

$sql="insert into webtech(rollno,name,contact,address)
values('".$roll_no."','".$name."','".$contact."','".$address."')";
$db->query($sql);
header('Location: view.php');


?>
```

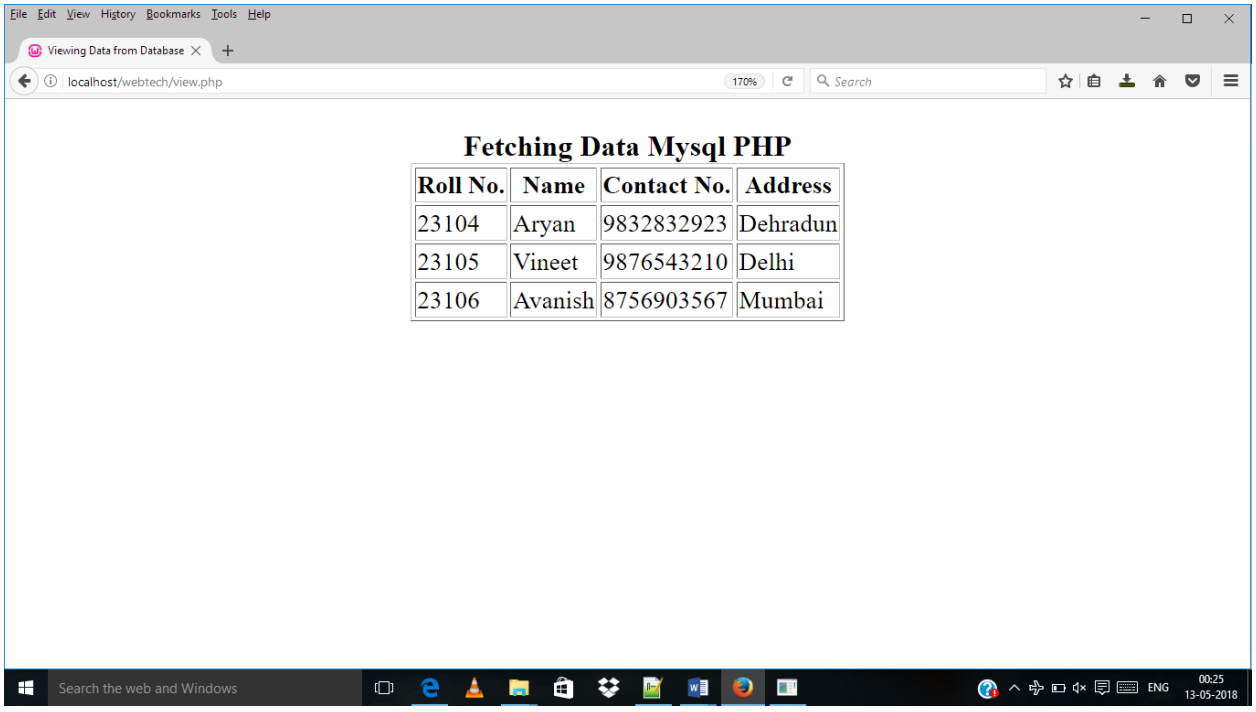
view.php File:-

```
<?php

$db=mysqli_connect('localhost','root','','webtech');
if(mysqli_connect_errno()){
        echo "Database connection failes";
        die();
}
```

```
$sql="select * from webtech";
$res=$db->query($sql);

?>

<html>
<head>
<title>Viewing Data from Database</title>
</head>
<body>
<center>
<h3>Fetching Data Mysql PHP
<table border=1>
<tr>
<th>Roll No. </th><th>Name </th><th>Contact No. </th><th>Address </th>
</tr>

<?php while($data=mysqli_fetch_assoc($res)): ?>

<tr>
<td><?=$data['rollno']; ?></td><td><?=$data['name']; ?></td><td><?=$data['contact'];
?></td><td><?=$data['address']; ?></td>
</tr>

<?php endwhile; ?>
</table>
</body>
</html>
```

Output:-


File Edit View History Bookmarks Tools Help
Inserting Data in PHP
localhost/webtech/index2.html
Inserting Data in PHP
Roll No: 23106
Name: Avanish
Contact No.: 8756903567
Address: Mumbai
Insert Data
Search the web and Windows


File Edit View History Bookmarks Tools Help
Viewing Data from Database
localhost/webtech/view.php
Fetching Data Mysql PHP
Roll No. Name Contact No. Address
23104 Aryan 9832832923 Dehradun
23105 Vineet 9876543210 Delhi
23106 Avanish 8756903567 Mumbai
Search the web and Windows