

Web Technologies

Lab Programs

1. Write a HTML program using basic text formatting tags, <p>,
, <pre>.

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

```
  <head>
```

```
    <title>Program-1</title>
```

```
  </head>
```

```
  <body>
```

```
    <U>Paragraph without break tag</U>
```

```
    <p>XHTML
```

```
    CSS
```

```
    javascript
```

```
    XML
```

```
    Ajax
```

```
  </p>
```

```
  <U>Paragraph with break tag  </U>
```

```
    <p>XHTML <br>
```

```
    CSS <br>
```

```
    javascript <br>
```

```
    XML <br>
```

```
    Ajax
```

```
  </p>
```

```
<U>Preformatted Text</U>
```

```
<pre>
```

```
XHTML
```

```
CSS
```

```
javascript
```

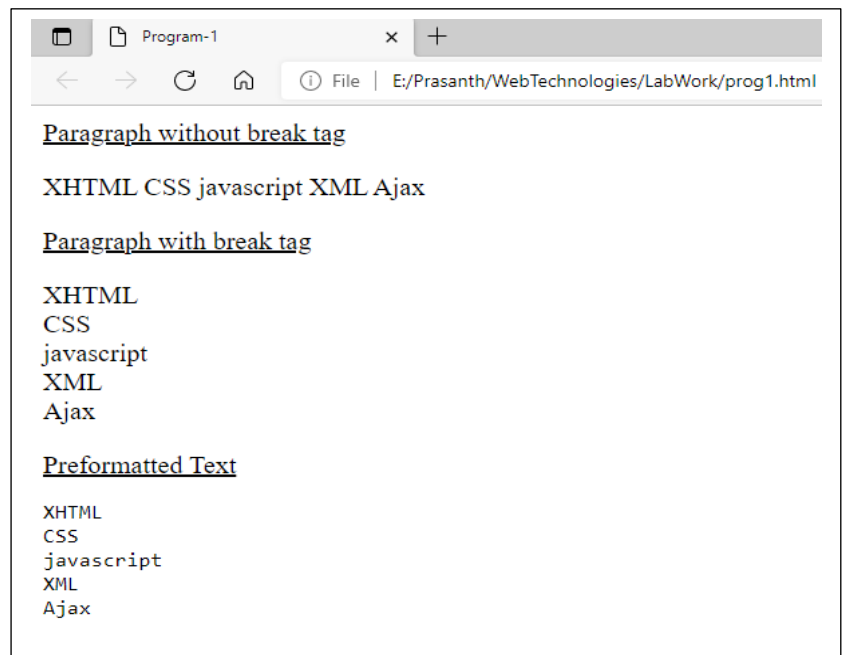
```
XML
```

```
Ajax
```

```
</pre>
```

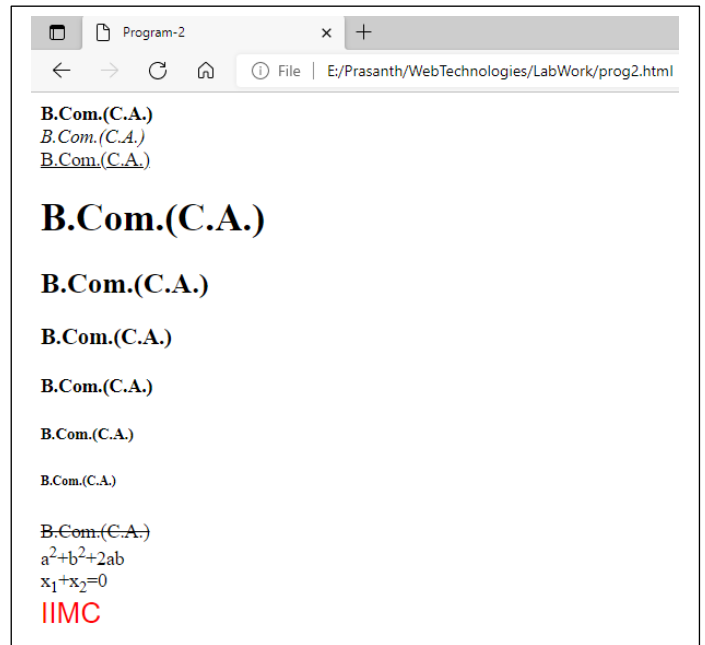
```
</body>
```

```
</html>
```



2. Write a HTML program by using text formatting tags.

```
<html xmlns = "http://www.w3.org/1999/xhtml">
<head>
<title>Program-2</title>
</head>
<body>
<B>B.Com.(C.A.) </B> <br>
<I>B.Com.(C.A.) </I> <br>
<U>B.Com.(C.A.) </U> <br>
<H1>B.Com.(C.A.) </H1>
<H2>B.Com.(C.A.) </H2>
<H3>B.Com.(C.A.) </H3>
<H4>B.Com.(C.A.) </H4>
<H5>B.Com.(C.A.) </H5>
<H6>B.Com.(C.A.) </H6>
<S>B.Com.(C.A.) </S> <br>
 $a^2+b^2+2ab$  <br>
 $x_1+x_2=0$  <br>
<font color=red size=5 face="Arial">IIMC</font> <br>
<font color="RGB(100,150,200)" size=7 face="Arial Black">IIMC</font> <br>
<font color="#abcdef" size=6 face="Times New Roman">IIMC</font> <br>
</body>
</html>
```



3. Write a HTML program using presentational element tags , <i>, <strike>, <sup>, <sub>, <big>, <small>, <hr>

```
<html xmlns = "http://www.w3.org/1999/xhtml">
<head>
<title>Program-3</title>
</head>
<body>
<B>B.Sc. </B> <br>
<I>B.Sc. </I> <br>
```

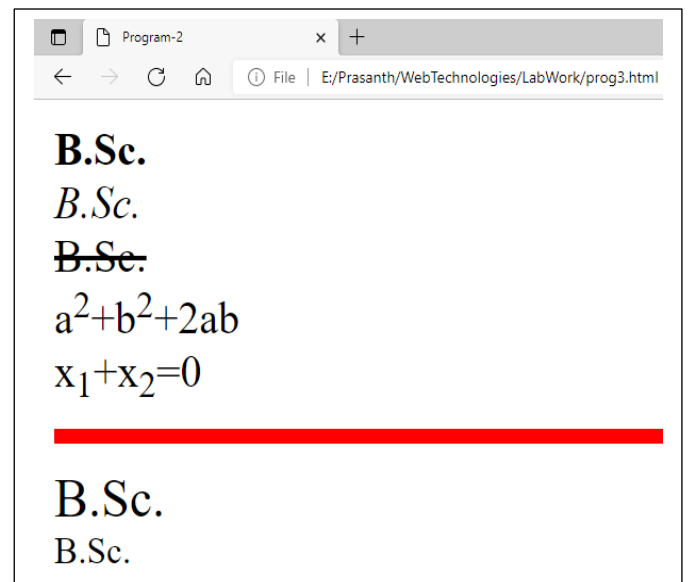
```

<del>B.Sc. </del> <br>
a<sup>2</sup>+b<sup>2</sup>+2ab <br>
x<sub>1</sub>+x<sub>2</sub>=0 <br>

<hr color="red" size=5">
<big>B.Sc. </big> <br>
<small>B.Sc. </small> <br>

</body>
</html>

```



4. Write a HTML program using phrase element tags `<blockquote>`, `<cite>`, `<abbr>`, `<acronym>`, `<kbd>`, `<address>`

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

```
<head>
```

```
<title>Program-4</title>
```

```
</head>
```

```
<body>
```

```
<h1>IIMC</h1>
```

```
<blockquote cite="http://www.iimchyderabad.com/index.html">
```

The Indian Institute of Management and Commerce(IIMC) established four decades ago(year 1973).

The college was ranked by various magazines like The Week, Outlook, India Today, Education World,

Digital Learning and it has established itself as a premier institution in field of commerce education

in the country.

```
</blockquote>
```

```
<cite>HTML Black Book</cite> written by Steven Holzner.
```

```
<p>This is a <abbr title = "Hyper Text Markup Language">HTML</abbr> abbreviation</p>
```

```
</body>
```

```
<acronym title="Hyper Text Markup Language">HTML</acronym>
```

<p>Press <kbd>Ctrl+C</kbd> to copy text (Windows).</p>

<address>

6-1-91,

Adj.Telephone Bhavan,

Khairatabad,

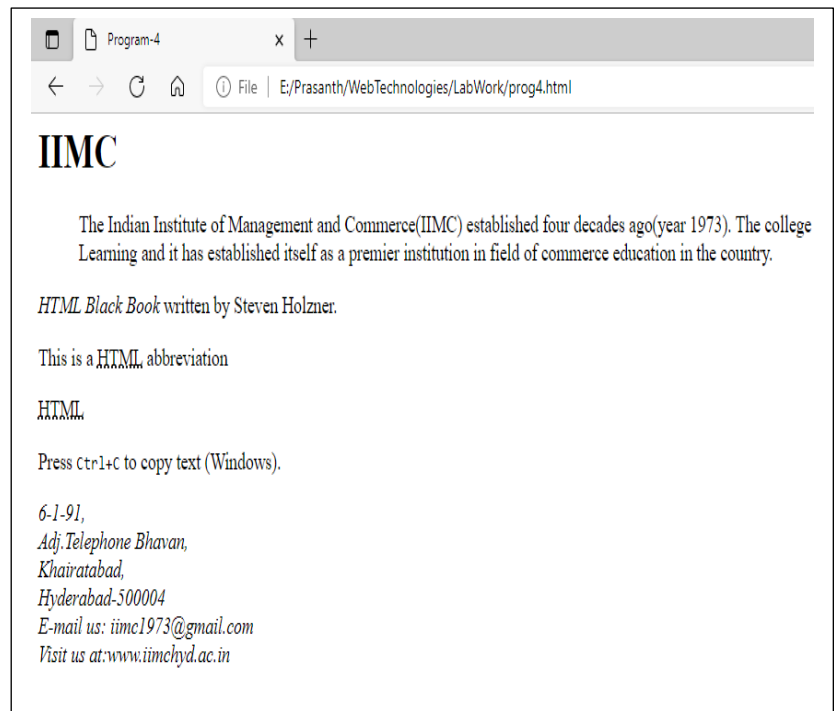
Hyderabad-500004

E-mail us: iimc1973@gmail.com

Visit us at:www.iimchyd.ac.in

</address>

</html>



<!--

- 1.The <blockquote> tag specifies a section that is quoted from another source.
- 2.The <cite> tag defines the title of a creative work (e.g. a book, a song, etc.).
- 3.Any text that is inserted between html <abbr>...</abbr> tag swill appear as abbreviated.
- 4.The <acronym> tag was used in HTML 4 to define an acronym. It is suggested to use <abbr> than <acronym>
- 5.The <kbd> tag is used to define keyboard input.
- 6.The <address> tag defines the contact information for the author/owner of a document or an article.

The contact information can be an email address, URL, physical address, phone number, social media handle, etc

-->

5. Write a HTML program using different list types.

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

```
<head>
```

```
<title>Program-5</title>
```

```
</head>
```

```
<body>
```

```
<ol type="I">
```

```
<li>Desktop</li>
```

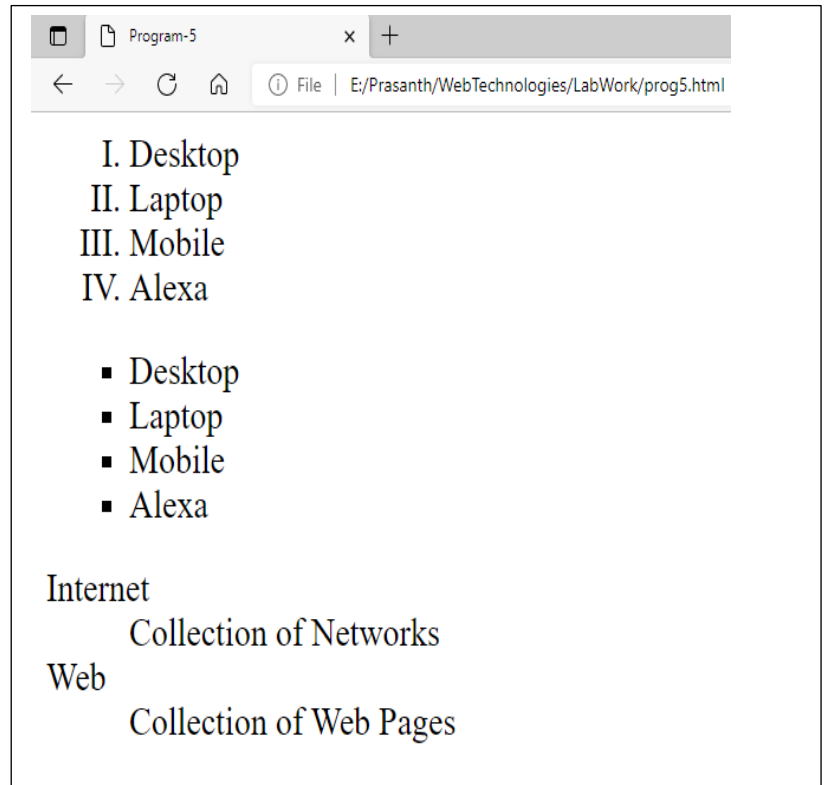
```
<li>Laptop</li>
```

```
<li>Mobile</li>
```

```

<li>Alexa</li>
</ol>
<ul type="square">
<li>Desktop</li>
<li>Laptop</li>
<li>Mobile</li>
<li>Alexa</li>
</ul>
<dl>
<dt> Internet</dt>
<dd> Collection of Networks</dd>
<dt>Web</dt>
<dd> Collection of Web Pages</dd>
</dl>
</body>
</html>
<!--

```



 means Ordered List. type is either "1" or "a" or "i" or "I" . Default is 1. It is similar to Numbering in MSWord.

 means Unordered List . type is either "disc" or "circle" or "square". Default is disc. It is similar to Bullets in

MS-Word.

<dl> means Definition List/Description List.

<dt> means Defintion Term

<dd> means Defintion Term-Defintion

-->

6. Create a HTML page that displays ingredients and instructions to prepare a recipe.

```

<html xmlns = "http://www.w3.org/1999/xhtml">
  <head>
    <title>Program-6</title>
  </head>
  <body>

```

```
<h1><U>Recipe - Soup</U></h1>
```

```
<h2>Recipe Ingredients</h2>
```

```
<ul>
```

```
<li>Garlic</li>
```

```
<li>carrots</li>
```

```
<li>tomatoes</li>
```

```
<li>beans</li>
```

```
<li>onion</li>
```

```
</ul>
```

```
<h2>Instructions to prepare recipe</h2>
```

```
<ul>
```

```
<li>Chop all the veggies (carrot, beans, onion, tomatoes and garlic) into small pieces</li>
```

```
<li>Add 2 tablespoons cornstarch (corn flour) in a small bowl.</li>
```

```
<li>Add 3 tablespoons water and mix well.</li>
```

```
<li>Heat 1/2 tablespoon oil or butter in a large, heavy bottomed stockpot over medium flame. Add chopped onion and garlic.</li>
```

```
</ul>
```

```
</body>
```

```
</html>
```



7. Write a HTML program using grouping elements <div> and .

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

```
<head>
```

```
<title>Program-7</title>
```

```
<style>
```

```
div {
```

```
color: white;
```

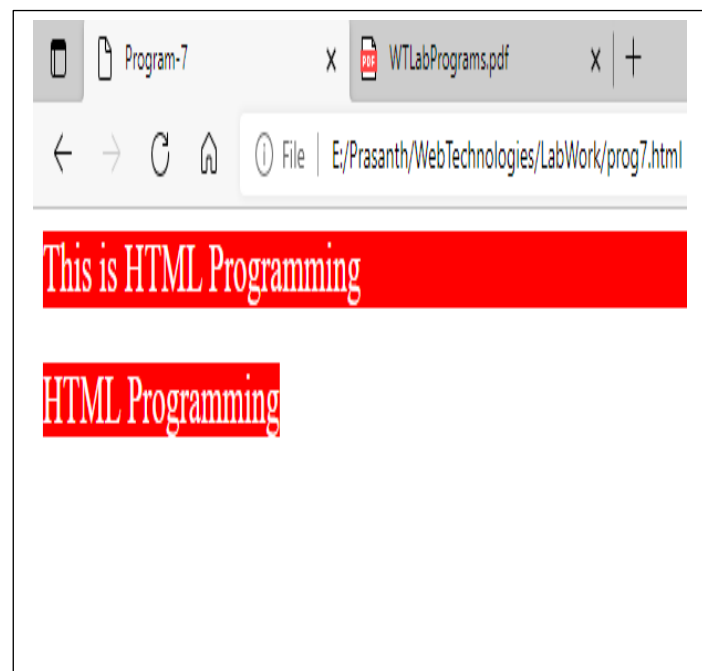
```
background-color: red;
```

```
margin: 2px;
```

```
font-size: 25px;
```

```
}
```

```
</style>
```



```

</head>
<body>
  <div>This is HTML Programming</div>
  <br>
  <span style="color:white;background-color:red;margin:2px;font-size:25px"> HTML
  Programming</span>
</body>
</html>
<!--

```

1.The div tag is known as Division tag. The div tag is used in HTML to make divisions of content on the

web page like (text, images, header, footer, navigation bar, etc).

<div> tag is used as a block part of the webpage

2.The HTML element is an inline container for inline elements and content.

i.e. tag is used as an inline part of the webpage.

-->

9. Write a HTML program using images, audios, videos

```

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

```

```

  <head>
    <title>Program-9</title>

```

```

  </head>

```

```

  <body>

```

```

    <font color="red" size=5>Image</font> <br>

```

```

```

```

    <br><br>

```

```

    <font color="red" size=5>Audio</font>

```

```

    <br>

```

```

    <audio src="audio.mp3" type="audio/mp3" controls>

```

Your browser does not support audio

```

  </audio>

```

```

  <br>

```

```

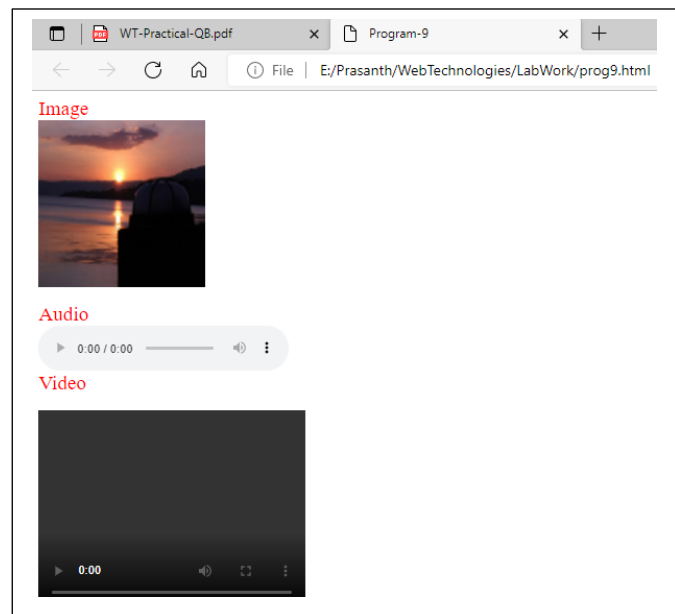
    <font color="red" size=5>Video</font>

```

```

    <br><br>

```



```

<video width="320" height="240" controls>
  <source src="movie.mp4" type="video/mp4">
  Your browser does not support video
</video>
</body>
</html>

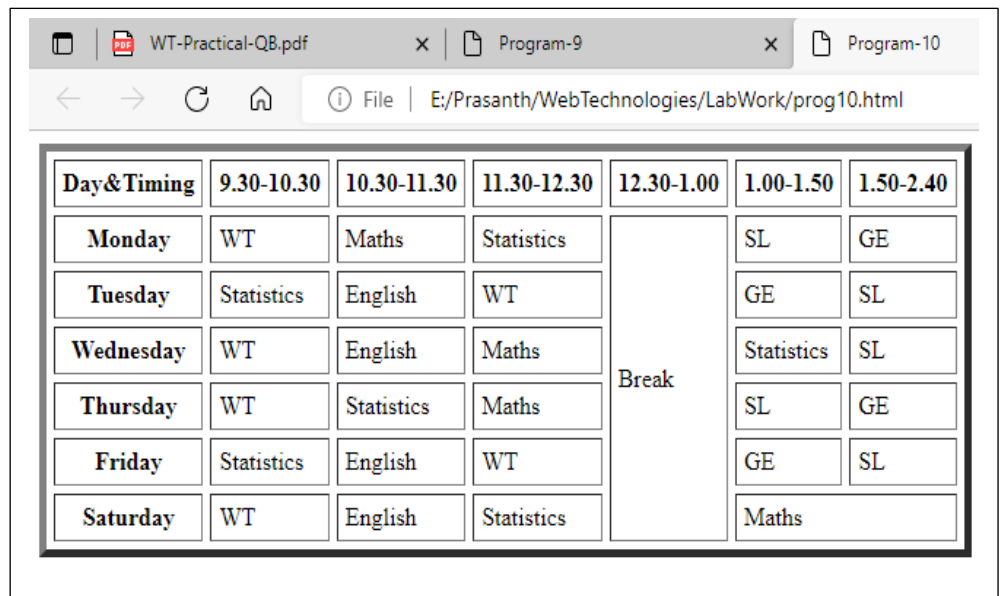
```

10. Write a HTML program to create your time table.

```

<html xmlns = "http://www.w3.org/1999/xhtml">
  <head>
    <title>Program-10</title>
  </head>
  <body>
    <table border=5 cellpadding=5 cellspacing=5>
    <tr>
    <th>Day&Timing</th>
    <th>9.30-10.30</th>
    <th>10.30-11.30</th>
    <th>11.30-12.30</th>
    <th>12.30-1.00</th>
    <th>1.00-1.50</th>
    <th>1.50-2.40</th>
    </tr>
    <tr>
    <th>Monday</th>
    <td>WT</td>
    <td>Maths</td>
    <td>Statistics</td>
    <td rowspan=6>Break</td>
    <td>SL</td>
    <td>GE</td>
    </tr>
    <tr>
    <th>Tuesday</th>
    <td>Statistics</td>
    <td>English</td>
    <td>WT</td>
    <td>GE</td>
    <td>SL</td>
    </tr>
    <tr>
    <th>Wednesday</th>
    <td>WT</td>
    <td>English</td>
    <td>Maths</td>
    <td>Statistics</td>
    <td>SL</td>
    </tr>
    <tr>
    <th>Thursday</th>
    <td>WT</td>
    <td>Statistics</td>
    <td>Maths</td>
    <td>SL</td>
    <td>GE</td>
    </tr>
    <tr>
    <th>Friday</th>
    <td>Statistics</td>
    <td>English</td>
    <td>WT</td>
    <td>GE</td>
    <td>SL</td>
    </tr>
    <tr>
    <th>Saturday</th>
    <td>WT</td>
    <td>English</td>
    <td>Statistics</td>
    <td colspan=2>Maths</td>
    </tr>

```




```
<th>Tuesday</th>
<td>Statistics</td>
<td>English</td>
<td>WT</td>
<td>GE</td>
<td>SL</td>
</tr>
<tr>
<th>Wednesday</th>
<td>WT</td>
<td>English</td>
<td>Maths</td>
<td>Statistics</td>
<td>SL</td>
</tr>
<tr>
<th>Thursday</th>
<td>WT</td>
<td>Statistics</td>
<td>Maths</td>
<td>SL</td>
<td>GE</td>
</tr>
<tr>
<th>Friday</th>
<td>Statistics</td>
<td>English</td>
<td>WT</td>
<td>GE</td>
<td>SL</td>
</tr>
<tr>
<th>Saturday</th>
<td>WT</td>
```

```

<td>English</td>
<td>Statistics</td>
<td colspan=2>Maths</td>
</tr>
</table>
</body>
</html>

```

17. Write a HTML program to create login form and verify username and password.

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

```
<head>
```

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

```
function checkuser()
```

```
{
```

```
username=document.f.un.value;
```

```
password=document.f.pwd.value;
```

```
if(username=="wt" && password=="tech")
```

```
alert("Valid User")
```

```
else
```

```
alert("Invalid User");
```

```
}
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<form name=f>
```

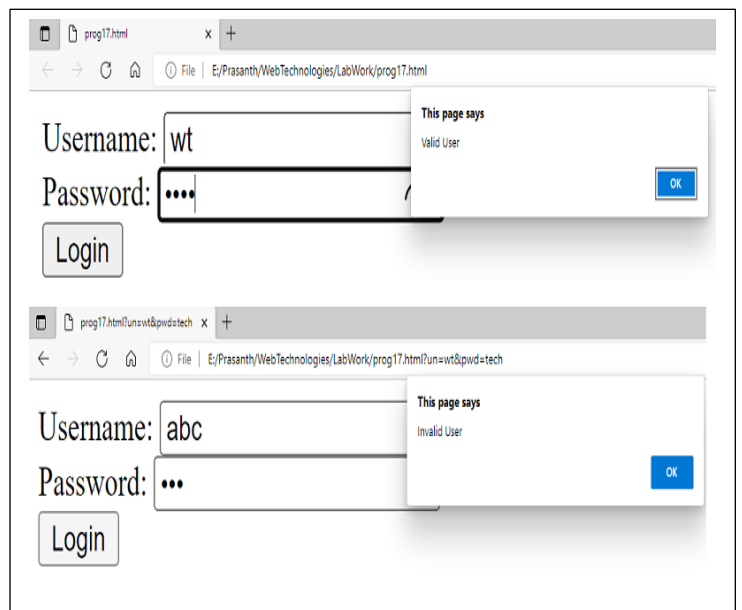
```
Username: <input type="text" name=un> <br>
```

```
Password: <input type="password" name=pwd> <br>
```

```
<input type="submit" value="Login" onClick="checkuser()">
```

```
</form>
```

```
</body>
```



18. Write a JavaScript program to calculate area of rectangle using function.

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

```
<head>
  <title>Program-18</title>
  <script type="text/javascript">
    var l=prompt(" Enter the length .");
    var b=prompt(" Enter the breadth .");
    var area=l*b;
    var perimeter=2*(l+b);
    alert(" The Area of Rectangle =" +area);
  </script>
</head>
<body>
</body>
</html>
```

The image shows three sequential browser dialog boxes. The first dialog box has the text "This page says" and "Enter the length :", with an input field containing "5.5" and "OK" and "Cancel" buttons. The second dialog box has the text "This page says" and "Enter the breadth :", with an input field containing "6.5" and "OK" and "Cancel" buttons. The third dialog box has the text "This page says" and "The Area of Rectangle =35.75" and an "OK" button.

19. Write a JavaScript program to wish good morning, good afternoon, good evening depending on the current time.

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

```
<head>
  <script type="text/javascript">
    var t=new Date();
    document.write(t);
    var h=t.getHours();

    var msg;
    if(h>=0)
      msg="Good Morning";
    else if(h>=12)
      msg="Good Afternoon";
    else if(h>=16 && h<21)
      msg="Good Evening";
    else
      msg="Good Night";
```



```

var name=prompt("Enter your name");
document.write("<br><br>");
document.write(msg +" " +name);
</script>
</head>
<body>
</body>
</html>

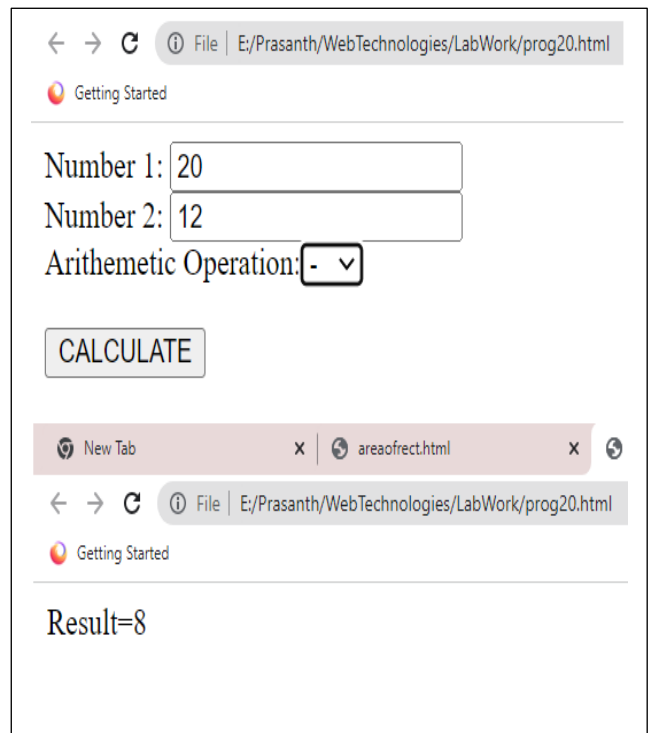
```

20. Write a JavaScript program using switch case?

```

<html xmlns = "http://www.w3.org/1999/xhtml">
<head>
<script>
function ArtOp()
{
var n1,n2,res;
n1=parseInt(document.f20.n1.value);
n2=parseInt(document.f20.n2.value);
//n1=parseInt(prompt("Enter value 1"));
//n2=parseInt(prompt("Enter value 2"));
var ch;
ch=document.f20.ch.value;
//ch=window.prompt("Enter + or - or * or / or %");
switch(ch)
{
case '+': res=n1+n2;
break;
case '-': res=n1-n2;
break;
case '*': res=n1*n2;
break;
case '/': res=n1/n2;
break;
case '%': res=n1%n2;

```



```

break;
default: alert("invalid");
}
document.write("Result=" + res);
}
</script>

</head>
<body>
<form name="f20">
Number 1: <input type="text" name=n1> <br>
Number 2: <input type="text" name=n2><br>
Arithmetic Operation:<select name=ch>
<option>+</option>
<option>-</option>
<option>*</option>
<option>/</option>
<option>%</option>
</select><br><br>
<input type="button" value="CALCULATE" onClick="ArtOp()">
</form>
</body>
</html>

```

21. Write a JavaScript program to print multiplication table of given number using loop.

```

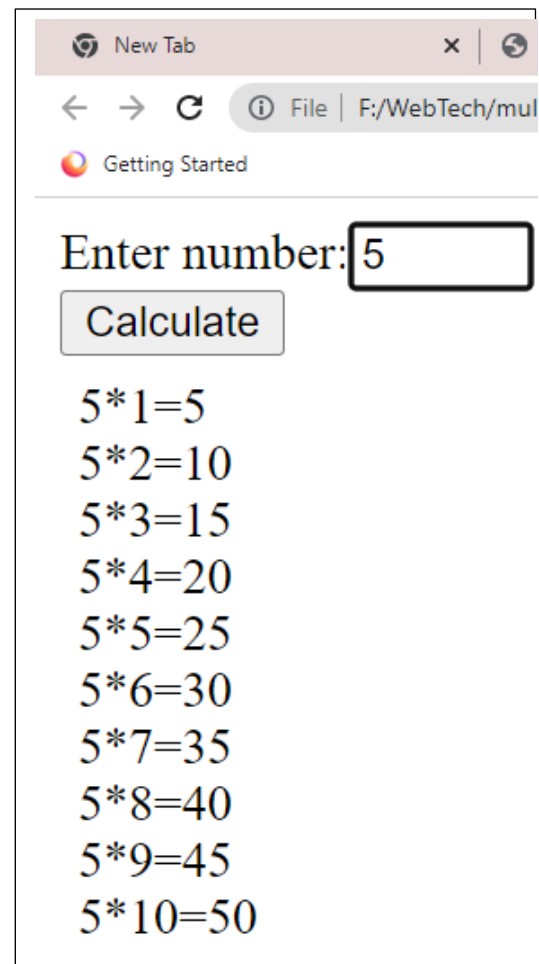
<html xmlns = "http://www.w3.org/1999/xhtml">
<head>
<script type ="text/javascript">
function multitable()
{
var n;
n=document.f1.num.value;
var i=1;
while(i<=10)

```

```

{
    document.write("<br>" + n + "*" + i + "=" + n * i);
    i++;
}
}
</script>
</head>
<body>
    <form name=f1>
        Enter number:<input type="text" name="num">
        <br>
<input type="submit" value="Calculate" onClick="multitable()">
    </form>
</body>
</html>

```



25. Write a XML Program.

```

<?xml version="1.0" encoding="UTF-8"?>
<student>
    <s1>
        <sno>101</sno>
        <sname>ABC</sname>
        <course>B.Sc.</course>
    </s1>
    <s2>
        <sno>102</sno>
        <sname>DEF</sname>
        <course>B.C.A.</course>
    </s2>
</student>

```

