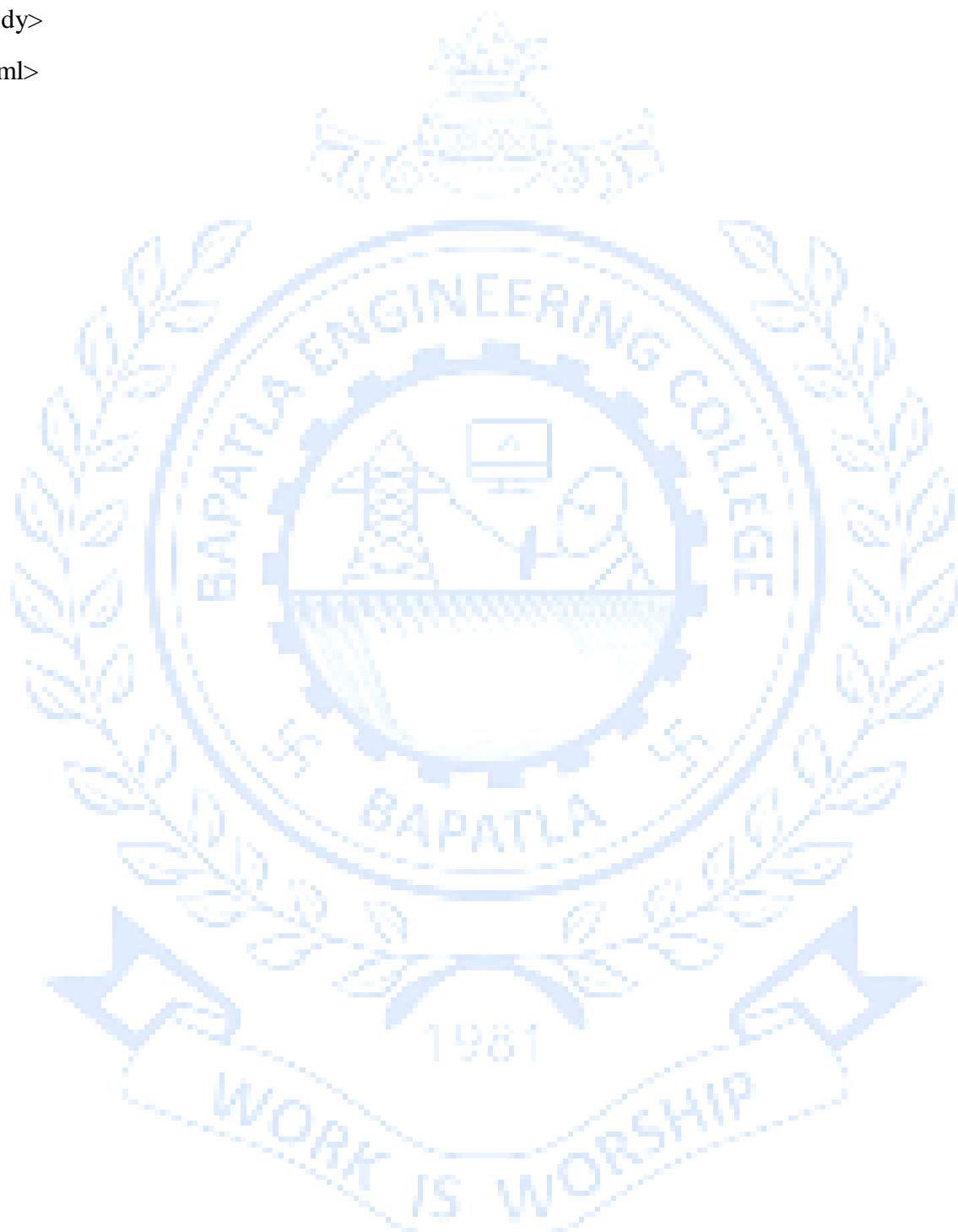


**PROGRAM 1-(a)****Date:09-04-2022****AIM:** Demonstrate all the basic tags in html file for formatting tags.**SOURCE CODE:**

```
<!DOCTYPE html>
<html>
    <head>
        <title>Formatting tags</title>
    </head>
    <body>
        <h2>FORMATING TAGS</h2>
        <h4>There are mainly 2 types of tags in html</h4>
        <h1>physical tags</h1>
        <i>Bapatla Engineering College</i><br>
        <b>Bapatla Engineering College</b><br>
        <big>Bapatla Engineering College</big><br>
        <small>Bapatla Engineering College</small><br>
        <u>Bapatla Engineering College</u><br>
        <br><sub>Bapatla Engineering College</sub><br>
        <br><sub>Bapatla Engineering College</sub>
        <h1>logical tags</h1>
        <p><abbr title="Bapatla Engineering College">BEC</abbr></p>
        <p><dfn title="hypertext mark language">html</dfn></p>
        <p><mark>bapatla</mark>engineering college<br>
        <p>cse,it,ece,<ins>cs,cs</ins></p>
        <P>ece,it,cse<del>,chemical,mech</del>
        <p><strong>bapatla engineering college</strong><br>
        <p><bdo dir="rtr">HTML</bdo></p>
        <p><bdo dir="rtl">HTML</bdo></p>
        <p><q>bapatla engineering colege</q><br>
        <p>There are two types of errors in java<q>compile time and run time</q></p>
        <p>There is an <em>acronym</em> for hypertext markup language</p>
        <p><kbd>enter</kbd>key to excute the application</p>
```

```
<code>  
  &lt;!DOCTYPE &gt;  
</code>  
  
<p>The <samp> substring()</samp> method returns a new string instance</p>  
</body>  
</html>
```



## **OUTPUT:**



### **FORMATING TAGS**

There are mainly 2 types of tags in html

#### **physical tags**

Bapatla Engineering College  
**Bapatla Engineering College**  
Bapatla Engineering College  
Bapatla Engineering College  
**Bapatla Engineering College**  
becBapatla Engineering College  
becBapatla Engineering College

#### **logical tags**

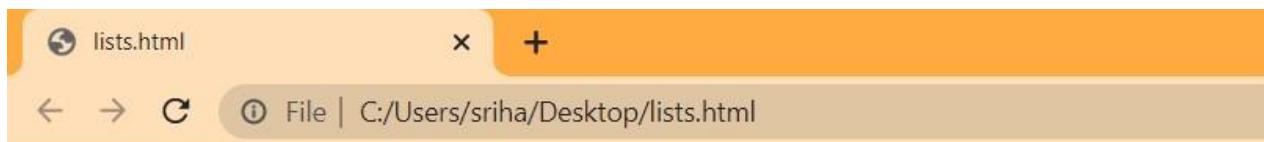
REC  
html  
bapatlaengineering college  
cse,it,ece,cs,cs  
ece,it,cse,chemical,mech  
bapatla engineering college  
HTML  
LMTH  
"bapatla engineering colege"  
There are two types of errors in java"compile time and run time"  
There is an *acronym* for hypertext markup language  
enterkey to excute the application  
<!DOCTYPE >  
The `substring()` method returns a new string instance



**Program-1(b)****Date:09-04-2022****AIM:** Demonstrate all the basic tags in html5 for representing various lists**SOURCE CODE:**

```
<!DOCTYPE html>
<html>
<body>
    <h1>There are 3 types of lists in html and they are: </h1>
    <h5>An unordered HTML List</h5>
        <ul>
            <li>coffee</li>
            <li>tea</li>
            <li>milk</li>
        </ul>
    <h2>An ordered HTML List</h2>
        <ol>
            <li>coffee</li>
            <li>tea</li>
            <li>milk</li>
        </ol>
    <h2> Description list</h2>
        <dl>
            <dt>Coffee</dt>
            <dd>- black hot drink</dd>
            <dt>Milk</dt>
            <dd>- white cold drink</dd>
        </dl>
    </body>
</html>
```

## **OUTPUT:**



**There are 3 types of lists in html and they are:**

An unordered HTML List

- coffee
- tea
- milk

An ordered HTML List

1. coffee
2. tea
3. milk

Description list

Coffee

- black hot drink

Milk

- white cold drink



**PROGRAM-1(c)****Date:16-04-2022****AIM: Demonstrate all the basic tags in html5 for timetable Creation****SOURCE CODE:**

```
<!DOCTYPE html>

<html>

    <head>
        <title>TIME TABLE</title>
    </head>

    <body style="margin-left: 20%; margin-right: 20%; border: 2px solid red;">
        <div>
            <div style="float: left; width: 20%;">
                
            </div>
            <br>
            <div style="float: right; padding-right: 2%; ">
                <center><h1>BAPATLA ENGINEERING COLLEGE :: BAPATLA</h1></center>
                <center><h4>(Autonomous)</h4></center>
                <center><h4>Department of Information Technology</h4></center>
                <p style="color: red; text-align: center;">Class time table for the <u>
                    <span style="background-color: yellow;"> A.Y 2021-2022, IV Semester</span></u>
                </p>
            </div>
        </div>
        <div style="padding-top: 20%; padding-left: 2%; padding-right: 2%; ">
            <hr>
            <pre>
                <i> w.e.f :<strong><b style="font-size: large;">28-03-2022</b></strong>
                Class : <strong><b style="font-size: large;">II B.Tech, IT</b></strong>
                Setion :<strong><b style="font-size: large;"> A</b></strong>
                Room.No <strong><b style="font-size: large;">RPLH -03</b></strong></i>
            </pre>
        </div>
    </body>
</html>
```

TIME &rarr; DAY <b>&amp;darr;</b>			
5.30- 8.20	8.20- 9.10	9.10- 10.00	10.00-10.30
10.30- 11.20	11.20- 12.10	12.10- 1.00	
MON	PEHV	DAA	BREAK
WT	P&S	DBMS	
TUE	&larr;WT/RDBMS LAB&rarr;		

```
<td style="padding: 5px">DBMS</td>
<td style="padding: 5px">Python <br>Programming</td>
<td style="padding: 5px">WT</td>
</tr>
<tr>
<td style="padding: 5px;background-color:rgb(223, 152, 20)">WED</td>
<td style="padding: 5px">P&S</td>
<td style="padding: 5px">DAA</td>
<td style="padding: 5px">WT</td>
<td style="padding-left: 30px; padding-right: 30px;padding-top: 3PX; padding-bottom: 3PX;" colspan="3">
    &lt;RDBMS/Python Programming LAB&gt;
</td>
</tr>
<tr>
<td style="padding: 5px;background-color:rgb(223, 152, 20)">THU</td>
<td style="padding: 5px">PEHV</td>
<td style="padding: 5px">DAA</td>
<td style="padding: 5px"> Python <br>Programming</td>
<td style="padding: 5px">WT</td>
<td style="padding: 5px">P&S</td>
<td style="padding: 5px">DBMS</td>
</tr>
<tr>
<td style="padding: 5px;background-color:rgb(223, 152, 20)">FRI</td>
<td style="padding: 5px" colspan="3">&lt;WT/RDBMS LAB&gt;</td>
<td style="padding: 5px">DBMS</td>
<td style="padding-left: 30px; padding-right: 30px;">Python <br>Programming</td>
<td style="padding: 5px">WT</td>
</tr>
<tr>
<td style="padding: 5px;background-color:rgb(223, 152, 20)">SAT</td>
```

```
<td style="padding: 5px">PEHV</td>
<td style="padding: 5px">DAA</td>
<td style="padding: 5px"> Python <br>Programming</td>
<td style="padding-left: 30px; padding-right: 30px;">WT</td>
<td style="padding: 5px">P&S</td>
<td style="padding: 5px; background-color: greenyellow;">MENTORING</td>
</tr>
</tbody>
</table>
```

<p style="background-color: cyan; float: right;">  
Section Coordinator : MR.K. Suresh Kumar, Asst. Professor

</p>

</div>

<div style="padding-top: 7%; padding-left: 2%; padding-right: 2%;">

<table border="1" style="text-align: center;">

<thead>

<tr style="background-color:rgb(223, 152, 20);">

<th style="padding-left: 30px; padding-right: 30px;">

TIME &rarr;<br>DAY <b>&darr;</b>

</th>

<th style="padding:5px">5.30- <br>8.20</th>

<th style="padding:5px">8.20- <br>9.10</th>

<th style="padding:5px">9.10- <br>10.00</th>

<th style="padding:5px; background-color: rgb(223, 152, 20); rowspan="6" >

10.00-10.30

</th>

<th style="padding:5px">10.30- <br>11.20</th>

<th style="padding:5px">11.20- <br>12.10</th>

<th style="padding:5px">12.10- <br>1.00</th>

</tr>

```
</thead>

<tbody>

<tr >

<td style="background-color:rgb(223, 152, 20)">MON</td>
<td style="padding-left: 30px; padding-right: 30px;">PEHV</td>
<td style="padding-left: 30px; padding-right: 30px;">DAA</td>
<td style="padding-left: 30px; padding-right: 30px;"> Python <br>Programming</td>
<td style="padding: 5px" rowspan="6"> BREAK</td>
<td style="padding: 5px">WT</td>
<td style="padding: 5px">P&S</td>
<td style="padding: 5px">DBMS</td>
</tr>
<tr>
<td style="padding: 5px; background-color:rgb(223, 152, 20)">TUE</td>
<td style="padding-left: 30px; padding-right: 30px;" colspan="3">
    &larr;WT/RDBMS LAB&rarr;
</td>
<td style="padding: 5px">DBMS</td>
<td style="padding: 5px">Python <br>Programming</td>
<td style="padding: 5px">WT</td>
</tr>
<tr>
<td style="padding: 5px; background-color:rgb(223, 152, 20)">WED</td>
<td style="padding: 5px">P&S</td>
<td style="padding: 5px">DAA</td>
<td style="padding: 5px">WT</td>
<td style="padding-left: 30px; padding-right: 30px; padding-top: 3PX; padding-bottom: 3PX;" colspan="3">
    &larr;RDBMS/Python Programming LAB&rarr;
</td>
</tr>
<tr>
```

```
<td style="padding: 5px;background-color:rgb(223, 152, 20)">THU</td>
<td style="padding: 5px">PEHV</td>
<td style="padding: 5px">DAA</td>
<td style="padding: 5px"> Python <br>Programming</td>
<td style="padding: 5px">WT</td>
<td style="padding: 5px">P&S</td>
<td style="padding: 5px">DBMS</td>
</tr>
<tr>
<td style="padding: 5px;background-color:rgb(223, 152, 20)">FRI</td>
<td style="padding: 5px" colspan="3">&larr;WT/RDBMS LAB&rarr;</td>
<td style="padding: 5px">DBMS</td>
<td style="padding-left: 30px; padding-right: 30px;">Python <br>Programming</td>
<td style="padding: 5px">WT</td>
</tr>
<tr>
<td style="padding: 5px;background-color:rgb(223, 152, 20)">SAT</td>
<td style="padding: 5px">PEHV</td>
<td style="padding: 5px">DAA</td>
<td style="padding: 5px"> Python <br>Programming</td>
<td style="padding-left: 30px; padding-right: 30px;">WT</td>
<td style="padding: 5px">P&S</td>
<td style="padding: 5px;background-color: greenyellow;">MENTORING</td>
</tr>
</tbody>
</table>
<br><br>
<p><h3 style="float: left; padding: 50px;">H.O.D</h3><h3 style="float: right; padding: 50px;">PRINCIPAL</h3></p>
</div>
</body>
</html>
```

**OUTPUT:**

**BAPATLA ENGINEERING COLLEGE :: BAPATLA**  
(Autonomous)  
Department of Information Technology  
Class time table for the A.Y. 2021-2022, IV Semester

TIME → DAY ↓	8.30- 8.20	8.20- 9.10	9.10- 10.00	10.00-10.30	10.30- 11.20	11.20- 12.10	12.10- 1.00
MON	PEHV	DAA	Python Programming		WT	P&S	DBMS
TUE			← WT-RDBMS LAB →		DBMS	Python Programming	WT
WED	P&S	DAA	WT		← RDBMS/Python Programming LAB →		
THU	PEHV	DAA	Python Programming		WT	P&S	DBMS
FRI			← WT-RDBMS LAB →		DBMS	Python Programming	WT
SAT	PEHV	DAA	Python Programming		WT	P&S	MENTORING

Section Coordinator: MR.K. Suresh Kumar, Asst. Professor

Sub code	Sub Name	Faculty Name	Sub code	Sub Name	Faculty Name
20IT401/MA03	P&S	MR. J Podharaju	20ITL401	WT LAB	MR. SK. Mabasha
20IT402	WT	MR. SK.MABASHA	20ITL402	RDBMS LAB	MR.P RAVI KUMAR

20IT403 DBMS MR. P RAVI KUMAR 20ITL403 Python Programming Lab/ SO02 MR. K SURESH KUMAR

20IT404 DAA PROF. N SIVA RAM PRASAD

MC02 PEHV DR.K SRINIVASA RAO

TIME → DAY ↓	8.30- 8.20	8.20- 9.10	9.10- 10.00	10.00-10.30	10.30- 11.20	11.20- 12.10	12.10- 1.00
MON	PEHV	DAA	Python Programming		WT	P&S	DBMS
TUE			← WT-RDBMS LAB →		DBMS	Python Programming	WT
WED	P&S	DAA	WT		← RDBMS/Python Programming LAB →		
THU	PEHV	DAA	Python Programming		WT	P&S	DBMS
FRI			← WT-RDBMS LAB →		DBMS	Python Programming	WT
SAT	PEHV	DAA	Python Programming		WT	P&S	MENTORING

Section Coordinator: MR.K. Suresh Kumar, Asst. Professor

Sub code	Sub Name	Faculty Name	Sub code	Sub Name	Faculty Name
20IT401/MA03	P&S	MR. J Podharaju	20ITL401	WT LAB	MR. SK. Mabasha
20IT402	WT	MR. SK.MABASHA	20ITL402	RDBMS LAB	MR.P RAVI KUMAR

H.O.D

PRINCIPAL

**PROGRAM-2(a)****Date:23-04-2022**

**AIM:** : Demonstrate all the basic tags in html5 for describing internal,external and image as link.

**SOURCE CODE:**

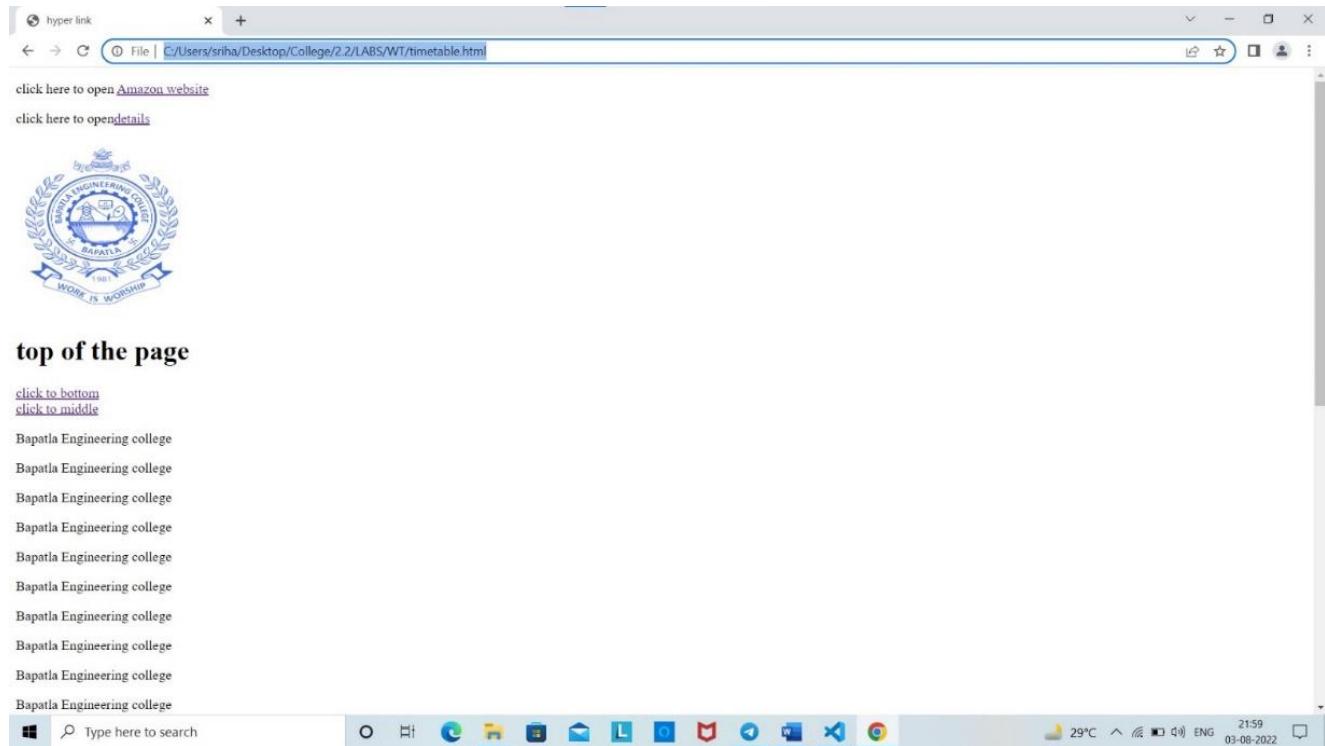
```
<!DOCTYPE html>
<html>
<body>
<title> hyper link</title>

<p>click here to open <a href="http://www.amazon.com" target="_blank">Amazon website</a></p>
<p> click here to open<a href=tags.html target="_top">details</a></p>
<p><a href="http://www.becbatla.ac.in" target="_self"></a></p>
<a id ="top"></a>
<h1>top of the page</h1>
<a href="#bottom">click to bottom</a><br>
<a href="#middle">click to middle</a>
<p>Bapatla Engineering college </p>
<a id ="middle"></a>
<h1> middle of page</h1>
<a href="#top">click to top</a><br>
```

```
<a href="#bottom">click to bottom</a>  
  
<p>Bapatla Engineering college </p>  
  
<a id ="bottom"></a>  
  
<h1> bottom of page</h1>  
  
<a href="#top">click to top</a><br>  
  
<a href="#middle">click to middle</a>  
  
</body>  
</html>
```

## **OUTPUT:**

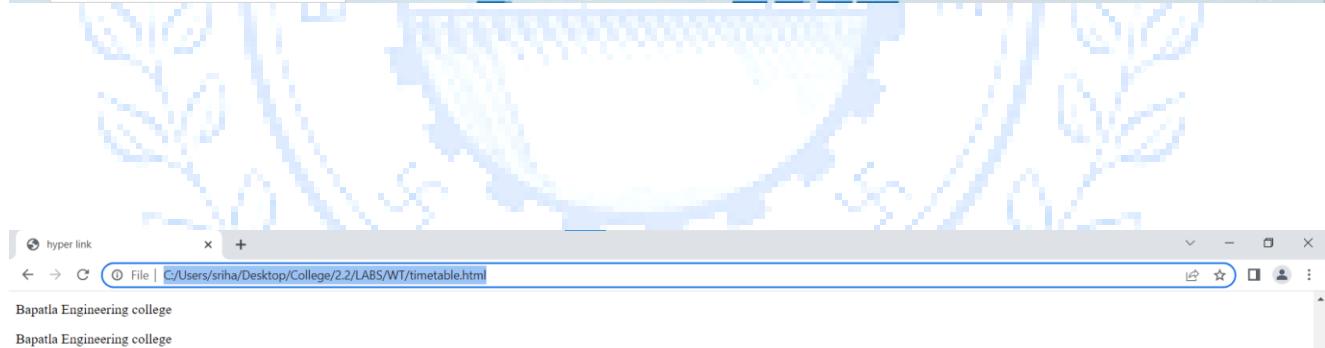
### **Web page before clicking on links:**



#### **top of the page**

[click to bottom](#)  
[click to middle](#)

Bapatla Engineering college  
Bapatla Engineering college



#### **middle of page**

[click to top](#)  
[click to bottom](#)

Bapatla Engineering college  
Bapatla Engineering college

#### **bottom of page**

[click to top](#)  
[click to middle](#)



## On clicking on image as link:

The screenshot shows a web browser window with two tabs open, both titled "Bapatla". The main content area displays the homepage of Bapatla Engineering College (Autonomous). The page has a red and yellow header with the college's name and logo. Below the header, there's a banner featuring a collage of images and text about the college's 41 years of excellence, 1250+ placements, 100% placement, and its affiliation with Acharya Nagarjuna University. The "Welcome to Bapatla Engineering College" section includes a brief history of the college being established in 1981, its mission to provide quality education, and its vision to build centers of excellence. At the bottom, there are "Recent News" and "Recent Events" sections.

## Internal link:



### FORMATING TAGS

There are mainly 2 types of tags in html

#### physical tags

```
Bapatla Engineering College
becBapatla Engineering College
becBapatla Engineering College
becBapatla Engineering College
```

#### logical tags

BEC

html

bapatlaengineering college

cse,it,ece,cs,cs

ece,it,cse,chemical,mech

bapatla engineering college

HTML

LMTH

"bapatla engineering colege"

There are two types of errors in java "compile time and run time"

There is an acronym for hypertext markup language

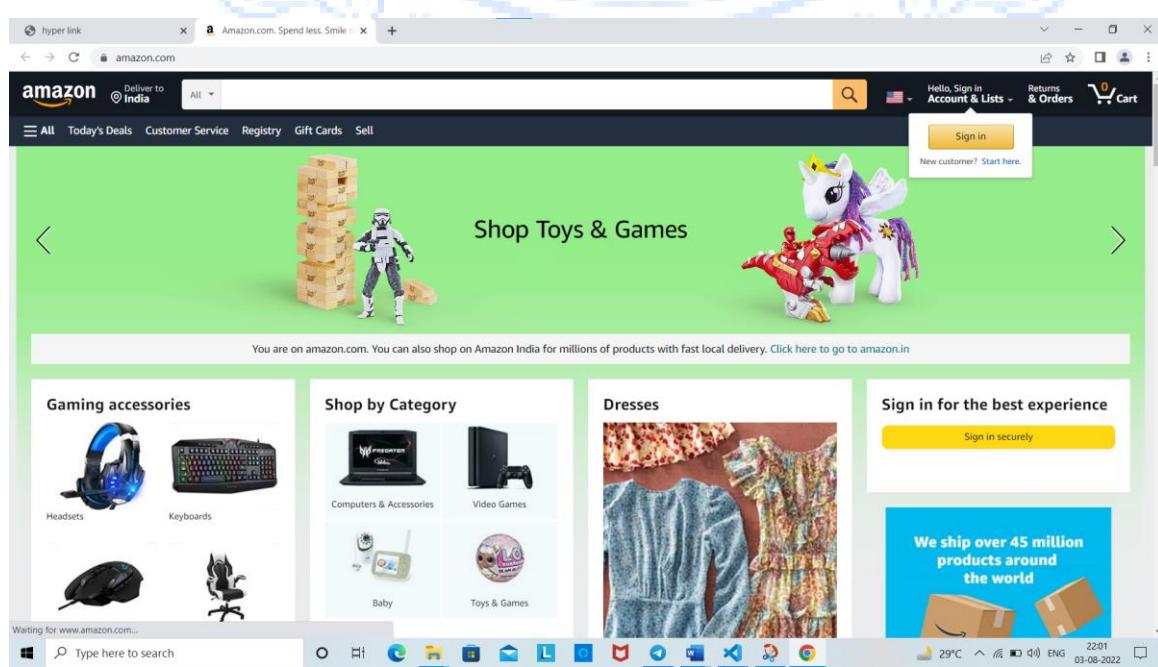
enterkey to execute the application

<!DOCTYPE >

The substring() method returns a new string instance



## External link:



**PROGRAM-2(b)****Date:30-04-2022****AIM:** Design a webpage to demonstrate Id tag used in frames**SOURCE CODE:**

```
<!DOCTYPE html>
<html>
  <head>
    <title>frames</title>
  </head>
  <frameset rows="50%,25%">
    <frameset cols="60%,40%">
      <frame src="lists.html" name="top"></frame>
      <frame src="hyperlinks.html" name="bottom left"></frame>
    </frameset>
    <frameset cols="50%,50%">
      <frame src="lists.html" name="bottom right">
      <frame >
    </frameset>
  </frameset>
</html>
```

**lists.html file:**

```
<!DOCTYPE html>
<html>
  <head>
    <title>frames</title>
  </head>
  <body>
    <center><h1>NAVIGATION</h1>
    <nav>
      <a id="top"></a>
      <a href="#bottom"></a><br>
      Bapatla Engineering College<br>
      Bapatla Engineering College<br>
    </nav>
  </body>
</html>
```

```
Bapatla Engineering College<br>
Bapatla Engineering College<br>
<a id="bottom"></a>
<a href="#top">bottomimage</a>
</nav>
</BODY>
</HTML>
```

### Hyperlinks.html file:

```
<!DOCTYPE html>
<html>
<body>
<title> hyper link</title>
<p>click here to open <a href="http://www.amazon.com" target="_blank">Amazon website</a></p>
<p> click here to open< a href="tags.html target=_top">details</a></p>
<p><a href="http://www.becbapatla.ac.in" target=_self'></a></p>
<a id ="top"></a>
<h1>top of the page</h1>
<a href="#bottom">click to bottom</a><br>
<a href="#middle">click to middle</a>
<p>Bapatla Engineering college </p>
<a id ="middle"></a>
<h1> middle of page</h1>
<a href="#top">click to top</a><br>
<a href="#bottom">click to bottom</a>
<p>Bapatla Engineering college </p>
<a id ="bottom"></a>
<h1> bottom of page</h1>
<a href="#top">click to top</a><br>
<a href="#middle">click to middle</a>
</body>
</html>
```

## OUTPUT:

lists

lists are used with <ol> or <ul> which describes the list is whether ordered or unordered  
ordered lists of days in a week

1. sunday
2. monday
3. tuesday
4. wednesday

click here to open [Amazon website](#)  
click here to open [details](#)



**top of the page**

[click to bottom](#)  
[click to middle](#)

Bapatla Engineering college

**middle of page**

lists

lists are used with <ol> or <ul> which describes the list is whether ordered or unordered  
ordered lists of days in a week

1. sunday
2. monday
3. tuesday
4. wednesday



Type here to search    0 11 29°C ENG 07:38 04-08-2022

### On clicking an image in frame 2 (bec logo):

lists

lists are used with <ol> or <ul> which describes the list is whether ordered or unordered  
ordered lists of days in a week

1. sunday
2. monday
3. tuesday
4. wednesday



**Welcome to Bapatla Engineering College**

The Bapatla Engineering College(Autonomous), one of the seven educational institutions sponsored by the Bapatla Education Society, was established in 1981 with a vision to impart quality technical

lists

lists are used with <ol> or <ul> which describes the list is whether ordered or unordered  
ordered lists of days in a week

1. sunday
2. monday
3. tuesday
4. wednesday

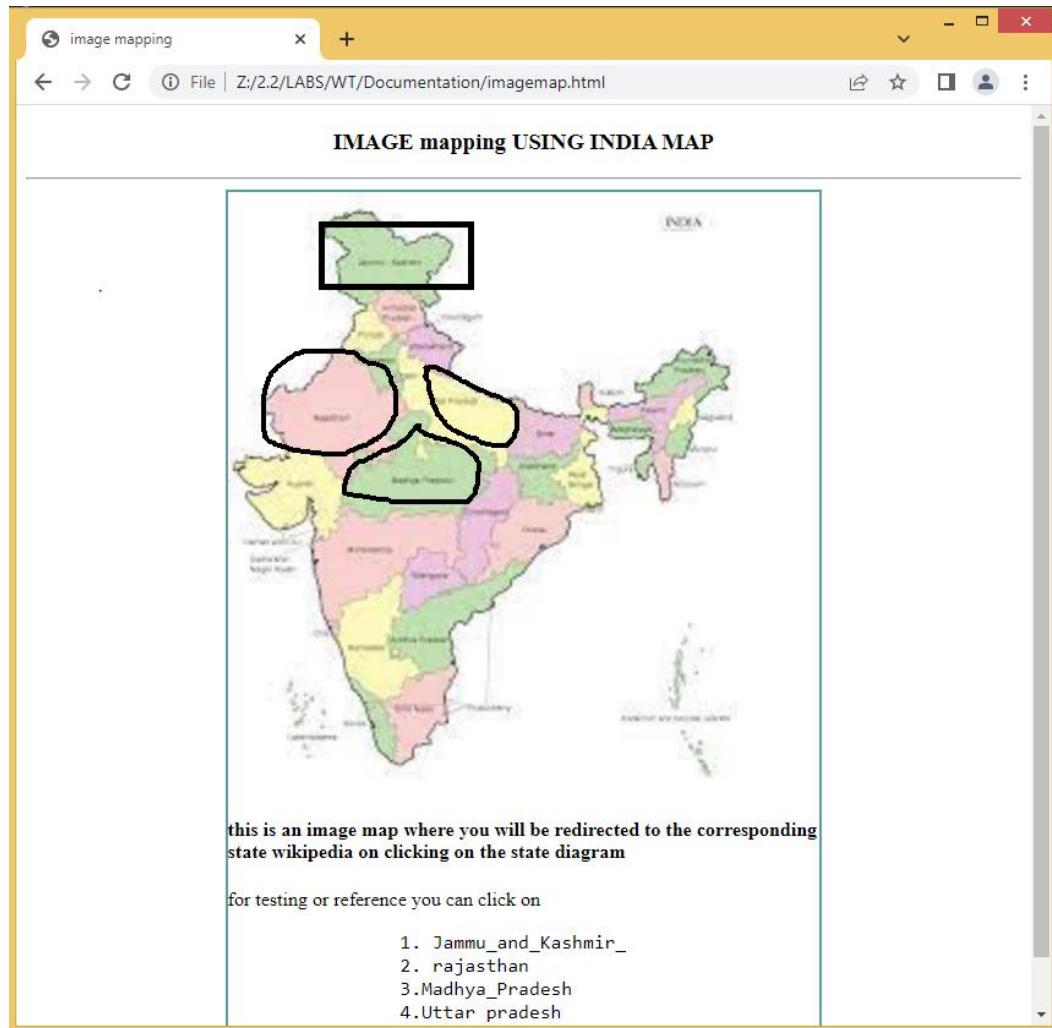


**PROGRAM-2(C)****Date:30-04-2022****AIM: Demonstrate all the basic tags in html5 for Image map creation.****SOURCE CODE:**

```
<!DOCTYPE html>

<html>
    <head>      <title>image mapping</title> </head>
    <body>
        <center><h3>IMAGE mapping USING INDIA MAP</h1></center>
        <hr>
        <div style="margin-left:20%; margin-right: 20%; border: solid 2px cadetblue;" >
            
            <h4>this is an image map where you will be redirected to the corresponding state wikipedia on clicking on the state diagram</h4>
            <p>for testing or reference you can click on</p>
            <pre style="font-size: large;">
                1. Jammu_and_Kashmir_
                2. rajasthan
                3.Madhya_Pradesh
                4.Uttar pradesh
            </pre>
            <map name="mapp">
                <area shape="rect" coords="144,124,200,200"
                href="https://en.wikipedia.org/wiki/Uttar_Pradesh" alt="uttar pradesh">
                <area shape="poly" coords="38,164,88,126,150,176,96,236"
                href="https://en.wikipedia.org/wiki/Rajasthan" alt="rajasthan">
                <area shape="poly" coords="80,22,144,40,186,44,160,90,120,84,90,80"
                href="https://en.wikipedia.org/wiki/Jammu_and_Kashmir_(union_territory)"
                alt="Jammu_and_Kashmir_">
                <area shape="poly" coords="140,190,96,260,210,224"
                href="https://en.wikipedia.org/wiki/Madhya_Pradesh" alt="Madhya_Pradesh">
            </map>
        </div>
    </body>
</html>
```

## OUTPUT:



## Image map :

Rajasthan - Wikipedia

**Rajasthan**

From Wikipedia, the free encyclopedia

**Rajasthan** (Hindi: [ra dʒes̪ t̪a n̪]; Ilt. 'Land of Kings'[1]) is a state in northern India.[9][10][11] It covers 342,239 square kilometres (132,139 sq mi) or 10.4 per cent of India's total geographical area. It is the largest Indian state by area and the seventh largest by population. It is on India's northwestern side, where it comprises most of the wide and inhospitable Thar Desert (also known as the Great Indian Desert) and shares a border with the Pakistani provinces of Punjab to the northwest and Sindh to the west, along the Sutlej-Indus River valley. It is bordered by five other Indian states: Punjab to the north; Haryana and Uttar Pradesh to the northeast; Madhya Pradesh to the southeast; and Gujarat to the southwest. Its geographical location is 23.3 to 30.12 North latitude and 69.30 to 78.17 East longitude, with the Tropic of Cancer passing through its southernmost tip.

Its major features include the ruins of the Indus Valley civilisation at Kalibangan and Balathal, the Dilwara Temples, a Jain pilgrimage site at Rajasthan's only hill station, Mount Abu, in the ancient Aravalli mountain range and eastern Rajasthan, the Keoladeo National Park of Bharatpur, a World Heritage Site[12] known for its bird life. Rajasthan is also home to three national tiger reserves, the Ranthambore National Park in Sawai Madhopur, Sariska Tiger Reserve in Alwar and the Mukundra Hills Tiger Reserve in Kota.

The state was formed on 30 March 1949 when Rajputana – the name adopted by the British Raj for its dependencies in the region[13] – was merged into the Dominion of India. Its capital and largest city is Jaipur. Other important cities are Jodhpur, Kota, Bikaner, Ajmer, Bharatpur and Udaipur. The economy of Rajasthan is the seventh-largest state economy in India with ₹10.20 lakh crore (US\$130 billion) in gross domestic product and a per capita GDP of ₹118,000 (US\$1,500).[14] Rajasthan ranks 29th among Indian states in human development index.[8]

**Rajasthan**

State

On clicking on area Rajasthan:

## On clicking on area Madhya Pradesh:

**Madhya Pradesh**

From Wikipedia, the free encyclopedia

**Madhya Pradesh** ( /mədʒəˈprædʒ/; Hindi: [mədʒəˈprædʒ] (listen); meaning Central Province) is a state in central India. Its capital is Bhopal, and the largest city is Indore, with Jabalpur, Ujjain, Gwalior, Satna, and Guna being the other major cities. Madhya Pradesh is the second largest Indian state by area and the fifth largest state by population with over 72 million residents.<sup>[1]</sup>

The area covered by the present-day Madhya Pradesh includes the area of the ancient Avanti Mahajanapada, whose capital Ujjain (also known as Avantika) arose as a major city during the second wave of Indian urbanisation in the sixth century BCE. Subsequently, the region was ruled by the major dynasties of India. The Maratha Empire dominated the majority of the 18th century. After the Anglo-Maratha Wars in the 19th century, the region was divided into several princely states under the British and incorporated into Central Provinces and Berar and the Central India Agency. After India's Independence, Madhya Pradesh state was created with Nagpur as its capital; this state included the southern parts of the present-day Madhya Pradesh and northeastern portion of today's Maharashtra. In 1956, this state was reorganised and its parts were combined with the states of Madhya Bharat, Vindhya Pradesh and Bhopal to form the new Madhya Pradesh state. The Marathi-speaking Vidarbha region was removed and merged with the Bombay State. This state was the largest in India by area until 2000, when its southeastern Chhattisgarh region was designated a separate state.

The economy of Madhya Pradesh is the 10th-largest in India, with a gross state domestic product (GSDP) of ₹9.17 trillion (US\$110 billion) and has the country's 26th highest per-capita income of ₹ 109372.<sup>[4]</sup> Madhya Pradesh ranks 23rd among Indian states in human development index.<sup>[12]</sup> Rich in mineral resources, Madhya Pradesh has the largest reserves of diamond and copper in India. 25.14% of its area is under forest cover.<sup>[13]</sup> Its tourism industry has seen considerable growth, with the state topping the National Tourism Awards in 2010–11.<sup>[14]</sup> In recent years, the state's GDP growth has been above the national average.<sup>[15]</sup> In 2019–20, state's GSDP was recorded at 9.07.<sup>[16]</sup>

**Contents** [hide]

- 1 History
- 2 Geography
  - 2.1 Location in India
  - 2.2 Climate
  - 2.3 Ecology
- 3 Politics
- 4 Infrastructure
- 5 Culture
- 6 Sports
- 7 Education
- 8 Health
- 9 Environment
- 10 References
- 11 Sources
- 12 External links
- 13 Citations
- 14 Notes
- 15 References
- 16 Sources
- 17 External links
- 18 Citations
- 19 Notes
- 20 References
- 21 Sources
- 22 External links
- 23 Citations
- 24 Notes
- 25 References
- 26 Sources
- 27 External links
- 28 Citations
- 29 Notes
- 30 References
- 31 Sources
- 32 External links
- 33 Citations
- 34 Notes
- 35 References
- 36 Sources
- 37 External links
- 38 Citations
- 39 Notes
- 40 References
- 41 Sources
- 42 External links
- 43 Citations
- 44 Notes
- 45 References
- 46 Sources
- 47 External links
- 48 Citations
- 49 Notes
- 50 References
- 51 Sources
- 52 External links
- 53 Citations
- 54 Notes
- 55 References
- 56 Sources
- 57 External links
- 58 Citations
- 59 Notes
- 60 References
- 61 Sources
- 62 External links
- 63 Citations
- 64 Notes
- 65 References
- 66 Sources
- 67 External links
- 68 Citations
- 69 Notes
- 70 References
- 71 Sources
- 72 External links
- 73 Citations
- 74 Notes
- 75 References
- 76 Sources
- 77 External links
- 78 Citations
- 79 Notes
- 80 References
- 81 Sources
- 82 External links
- 83 Citations
- 84 Notes
- 85 References
- 86 Sources
- 87 External links
- 88 Citations
- 89 Notes
- 90 References
- 91 Sources
- 92 External links
- 93 Citations
- 94 Notes
- 95 References
- 96 Sources
- 97 External links
- 98 Citations
- 99 Notes
- 100 References
- 101 Sources
- 102 External links
- 103 Citations
- 104 Notes
- 105 References
- 106 Sources
- 107 External links
- 108 Citations
- 109 Notes
- 110 References
- 111 Sources
- 112 External links
- 113 Citations
- 114 Notes
- 115 References
- 116 Sources
- 117 External links
- 118 Citations
- 119 Notes
- 120 References
- 121 Sources
- 122 External links
- 123 Citations
- 124 Notes
- 125 References
- 126 Sources
- 127 External links
- 128 Citations
- 129 Notes
- 130 References
- 131 Sources
- 132 External links
- 133 Citations
- 134 Notes
- 135 References
- 136 Sources
- 137 External links
- 138 Citations
- 139 Notes
- 140 References
- 141 Sources
- 142 External links
- 143 Citations
- 144 Notes
- 145 References
- 146 Sources
- 147 External links
- 148 Citations
- 149 Notes
- 150 References
- 151 Sources
- 152 External links
- 153 Citations
- 154 Notes
- 155 References
- 156 Sources
- 157 External links
- 158 Citations
- 159 Notes
- 160 References
- 161 Sources
- 162 External links
- 163 Citations
- 164 Notes
- 165 References
- 166 Sources
- 167 External links
- 168 Citations
- 169 Notes
- 170 References
- 171 Sources
- 172 External links
- 173 Citations
- 174 Notes
- 175 References
- 176 Sources
- 177 External links
- 178 Citations
- 179 Notes
- 180 References
- 181 Sources
- 182 External links
- 183 Citations
- 184 Notes
- 185 References
- 186 Sources
- 187 External links
- 188 Citations
- 189 Notes
- 190 References
- 191 Sources
- 192 External links
- 193 Citations
- 194 Notes
- 195 References
- 196 Sources
- 197 External links
- 198 Citations
- 199 Notes
- 200 References
- 201 Sources
- 202 External links
- 203 Citations
- 204 Notes
- 205 References
- 206 Sources
- 207 External links
- 208 Citations
- 209 Notes
- 210 References
- 211 Sources
- 212 External links
- 213 Citations
- 214 Notes
- 215 References
- 216 Sources
- 217 External links
- 218 Citations
- 219 Notes
- 220 References
- 221 Sources
- 222 External links
- 223 Citations
- 224 Notes
- 225 References
- 226 Sources
- 227 External links
- 228 Citations
- 229 Notes
- 230 References
- 231 Sources
- 232 External links
- 233 Citations
- 234 Notes
- 235 References
- 236 Sources
- 237 External links
- 238 Citations
- 239 Notes
- 240 References
- 241 Sources
- 242 External links
- 243 Citations
- 244 Notes
- 245 References
- 246 Sources
- 247 External links
- 248 Citations
- 249 Notes
- 250 References
- 251 Sources
- 252 External links
- 253 Citations
- 254 Notes
- 255 References
- 256 Sources
- 257 External links
- 258 Citations
- 259 Notes
- 260 References
- 261 Sources
- 262 External links
- 263 Citations
- 264 Notes
- 265 References
- 266 Sources
- 267 External links
- 268 Citations
- 269 Notes
- 270 References
- 271 Sources
- 272 External links
- 273 Citations
- 274 Notes
- 275 References
- 276 Sources
- 277 External links
- 278 Citations
- 279 Notes
- 280 References
- 281 Sources
- 282 External links
- 283 Citations
- 284 Notes
- 285 References
- 286 Sources
- 287 External links
- 288 Citations
- 289 Notes
- 290 References
- 291 Sources
- 292 External links
- 293 Citations
- 294 Notes
- 295 References
- 296 Sources
- 297 External links
- 298 Citations
- 299 Notes
- 300 References
- 301 Sources
- 302 External links
- 303 Citations
- 304 Notes
- 305 References
- 306 Sources
- 307 External links
- 308 Citations
- 309 Notes
- 310 References
- 311 Sources
- 312 External links
- 313 Citations
- 314 Notes
- 315 References
- 316 Sources
- 317 External links
- 318 Citations
- 319 Notes
- 320 References
- 321 Sources
- 322 External links
- 323 Citations
- 324 Notes
- 325 References
- 326 Sources
- 327 External links
- 328 Citations
- 329 Notes
- 330 References
- 331 Sources
- 332 External links
- 333 Citations
- 334 Notes
- 335 References
- 336 Sources
- 337 External links
- 338 Citations
- 339 Notes
- 340 References
- 341 Sources
- 342 External links
- 343 Citations
- 344 Notes
- 345 References
- 346 Sources
- 347 External links
- 348 Citations
- 349 Notes
- 350 References
- 351 Sources
- 352 External links
- 353 Citations
- 354 Notes
- 355 References
- 356 Sources
- 357 External links
- 358 Citations
- 359 Notes
- 360 References
- 361 Sources
- 362 External links
- 363 Citations
- 364 Notes
- 365 References
- 366 Sources
- 367 External links
- 368 Citations
- 369 Notes
- 370 References
- 371 Sources
- 372 External links
- 373 Citations
- 374 Notes
- 375 References
- 376 Sources
- 377 External links
- 378 Citations
- 379 Notes
- 380 References
- 381 Sources
- 382 External links
- 383 Citations
- 384 Notes
- 385 References
- 386 Sources
- 387 External links
- 388 Citations
- 389 Notes
- 390 References
- 391 Sources
- 392 External links
- 393 Citations
- 394 Notes
- 395 References
- 396 Sources
- 397 External links
- 398 Citations
- 399 Notes
- 400 References
- 401 Sources
- 402 External links
- 403 Citations
- 404 Notes
- 405 References
- 406 Sources
- 407 External links
- 408 Citations
- 409 Notes
- 410 References
- 411 Sources
- 412 External links
- 413 Citations
- 414 Notes
- 415 References
- 416 Sources
- 417 External links
- 418 Citations
- 419 Notes
- 420 References
- 421 Sources
- 422 External links
- 423 Citations
- 424 Notes
- 425 References
- 426 Sources
- 427 External links
- 428 Citations
- 429 Notes
- 430 References
- 431 Sources
- 432 External links
- 433 Citations
- 434 Notes
- 435 References
- 436 Sources
- 437 External links
- 438 Citations
- 439 Notes
- 440 References
- 441 Sources
- 442 External links
- 443 Citations
- 444 Notes
- 445 References
- 446 Sources
- 447 External links
- 448 Citations
- 449 Notes
- 450 References
- 451 Sources
- 452 External links
- 453 Citations
- 454 Notes
- 455 References
- 456 Sources
- 457 External links
- 458 Citations
- 459 Notes
- 460 References
- 461 Sources
- 462 External links
- 463 Citations
- 464 Notes
- 465 References
- 466 Sources
- 467 External links
- 468 Citations
- 469 Notes
- 470 References
- 471 Sources
- 472 External links
- 473 Citations
- 474 Notes
- 475 References
- 476 Sources
- 477 External links
- 478 Citations
- 479 Notes
- 480 References
- 481 Sources
- 482 External links
- 483 Citations
- 484 Notes
- 485 References
- 486 Sources
- 487 External links
- 488 Citations
- 489 Notes
- 490 References
- 491 Sources
- 492 External links
- 493 Citations
- 494 Notes
- 495 References
- 496 Sources
- 497 External links
- 498 Citations
- 499 Notes
- 500 References
- 501 Sources
- 502 External links
- 503 Citations
- 504 Notes
- 505 References
- 506 Sources
- 507 External links
- 508 Citations
- 509 Notes
- 510 References
- 511 Sources
- 512 External links
- 513 Citations
- 514 Notes
- 515 References
- 516 Sources
- 517 External links
- 518 Citations
- 519 Notes
- 520 References
- 521 Sources
- 522 External links
- 523 Citations
- 524 Notes
- 525 References
- 526 Sources
- 527 External links
- 528 Citations
- 529 Notes
- 530 References
- 531 Sources
- 532 External links
- 533 Citations
- 534 Notes
- 535 References
- 536 Sources
- 537 External links
- 538 Citations
- 539 Notes
- 540 References
- 541 Sources
- 542 External links
- 543 Citations
- 544 Notes
- 545 References
- 546 Sources
- 547 External links
- 548 Citations
- 549 Notes
- 550 References
- 551 Sources
- 552 External links
- 553 Citations
- 554 Notes
- 555 References
- 556 Sources
- 557 External links
- 558 Citations
- 559 Notes
- 560 References
- 561 Sources
- 562 External links
- 563 Citations
- 564 Notes
- 565 References
- 566 Sources
- 567 External links
- 568 Citations
- 569 Notes
- 570 References
- 571 Sources
- 572 External links
- 573 Citations
- 574 Notes
- 575 References
- 576 Sources
- 577 External links
- 578 Citations
- 579 Notes
- 580 References
- 581 Sources
- 582 External links
- 583 Citations
- 584 Notes
- 585 References
- 586 Sources
- 587 External links
- 588 Citations
- 589 Notes
- 590 References
- 591 Sources
- 592 External links
- 593 Citations
- 594 Notes
- 595 References
- 596 Sources
- 597 External links
- 598 Citations
- 599 Notes
- 600 References
- 601 Sources
- 602 External links
- 603 Citations
- 604 Notes
- 605 References
- 606 Sources
- 607 External links
- 608 Citations
- 609 Notes
- 610 References
- 611 Sources
- 612 External links
- 613 Citations
- 614 Notes
- 615 References
- 616 Sources
- 617 External links
- 618 Citations
- 619 Notes
- 620 References
- 621 Sources
- 622 External links
- 623 Citations
- 624 Notes
- 625 References
- 626 Sources
- 627 External links
- 628 Citations
- 629 Notes
- 630 References
- 631 Sources
- 632 External links
- 633 Citations
- 634 Notes
- 635 References
- 636 Sources
- 637 External links
- 638 Citations
- 639 Notes
- 640 References
- 641 Sources
- 642 External links
- 643 Citations
- 644 Notes
- 645 References
- 646 Sources
- 647 External links
- 648 Citations
- 649 Notes
- 650 References
- 651 Sources
- 652 External links
- 653 Citations
- 654 Notes
- 655 References
- 656 Sources
- 657 External links
- 658 Citations
- 659 Notes
- 660 References
- 661 Sources
- 662 External links
- 663 Citations
- 664 Notes
- 665 References
- 666 Sources
- 667 External links
- 668 Citations
- 669 Notes
- 670 References
- 671 Sources
- 672 External links
- 673 Citations
- 674 Notes
- 675 References
- 676 Sources
- 677 External links
- 678 Citations
- 679 Notes
- 680 References
- 681 Sources
- 682 External links
- 683 Citations
- 684 Notes
- 685 References
- 686 Sources
- 687 External links
- 688 Citations
- 689 Notes
- 690 References
- 691 Sources
- 692 External links
- 693 Citations
- 694 Notes
- 695 References
- 696 Sources
- 697 External links
- 698 Citations
- 699 Notes
- 700 References
- 701 Sources
- 702 External links
- 703 Citations
- 704 Notes
- 705 References
- 706 Sources
- 707 External links
- 708 Citations
- 709 Notes
- 710 References
- 711 Sources
- 712 External links
- 713 Citations
- 714 Notes
- 715 References
- 716 Sources
- 717 External links
- 718 Citations
- 719 Notes
- 720 References
- 721 Sources
- 722 External links
- 723 Citations
- 724 Notes
- 725 References
- 726 Sources
- 727 External links
- 728 Citations
- 729 Notes
- 730 References
- 731 Sources
- 732 External links
- 733 Citations
- 734 Notes
- 735 References
- 736 Sources
- 737 External links
- 738 Citations
- 739 Notes
- 740 References
- 741 Sources
- 742 External links
- 743 Citations
- 744 Notes
- 745 References
- 746 Sources
- 747 External links
- 748 Citations
- 749 Notes
- 750 References
- 751 Sources
- 752 External links
- 753 Citations
- 754 Notes
- 755 References
- 756 Sources
- 757 External links
- 758 Citations
- 759 Notes
- 760 References
- 761 Sources
- 762 External links
- 763 Citations
- 764 Notes
- 765 References
- 766 Sources
- 767 External links
- 768 Citations
- 769 Notes
- 770 References
- 771 Sources
- 772 External links
- 773 Citations
- 774 Notes
- 775 References
- 776 Sources
- 777 External links
- 778 Citations
- 779 Notes
- 780 References
- 781 Sources
- 782 External links
- 783 Citations
- 784 Notes
- 785 References
- 786 Sources
- 787 External links
- 788 Citations
- 789 Notes
- 790 References
- 791 Sources
- 792 External links
- 793 Citations
- 794 Notes
- 795 References
- 796 Sources
- 797 External links
- 798 Citations
- 799 Notes
- 800 References
- 801 Sources
- 802 External links
- 803 Citations
- 804 Notes
- 805 References
- 806 Sources
- 807 External links
- 808 Citations
- 809 Notes
- 810 References
- 811 Sources
- 812 External links
- 813 Citations
- 814 Notes
- 815 References
- 816 Sources
- 817 External links
- 818 Citations
- 819 Notes
- 820 References
- 821 Sources
- 822 External links
- 823 Citations
- 824 Notes
- 825 References
- 826 Sources
- 827 External links
- 828 Citations
- 829 Notes
- 830 References
- 831 Sources
- 832 External links
- 833 Citations
- 834 Notes
- 835 References
- 836 Sources
- 837 External links
- 838 Citations
- 839 Notes
- 840 References
- 841 Sources
- 842 External links
- 843 Citations
- 844 Notes
- 845 References
- 846 Sources
- 847 External links
- 848 Citations
- 849 Notes
- 850 References
- 851 Sources
- 852 External links
- 853 Citations
- 854 Notes
- 855 References
- 856 Sources
- 857 External links
- 858 Citations
- 859 Notes
- 860 References
- 861 Sources
- 862 External links
- 863 Citations
- 864 Notes
- 865 References
- 866 Sources
- 867 External links
- 868 Citations
- 869 Notes
- 870 References
- 871 Sources
- 872 External links
- 873 Citations
- 874 Notes
- 875 References
- 876 Sources
- 877 External links
- 878 Citations
- 879 Notes
- 880 References
- 881 Sources
- 882 External links
- 883 Citations
- 884 Notes
- 885 References
- 886 Sources
- 887 External links
- 888 Citations
- 889 Notes
- 890 References
- 891 Sources
- 892 External links
- 893 Citations
- 894 Notes
- 895 References
- 896 Sources
- 897 External links
- 898 Citations
- 899 Notes
- 900 References
- 901 Sources
- 902 External links
- 903 Citations
- 904 Notes
- 905 References
- 906 Sources
- 907 External links
- 908 Citations
- 909 Notes
- 910 References
- 911 Sources
- 912 External links
- 913 Citations
- 914 Notes
- 915 References
- 916 Sources
- 917 External links
- 918 Citations
- 919 Notes
- 920 References
- 921 Sources
- 922 External links
- 923 Citations
- 924 Notes
- 925 References
- 926 Sources
- 927 External links
- 928 Citations
- 929 Notes
- 930 References
- 931 Sources
- 932 External links
- 933 Citations
- 934 Notes
- 935 References
- 936 Sources
- 937 External links
- 938 Citations
- 939 Notes
- 940 References
- 941 Sources
- 942 External links
- 943 Citations
- 944 Notes
- 945 References
- 946 Sources
- 947 External links
- 948 Citations
- 949 Notes
- 950 References
- 951 Sources
- 952 External links
- 953 Citations
- 954 Notes
- 955 References
- 956 Sources
- 957 External links
- 958 Citations
- 959 Notes
- 960 References
- 961 Sources
- 962 External links
- 963 Citations
- 964 Notes
- 965 References
- 966 Sources
- 967 External links
- 968 Citations
- 969 Notes
- 970 References
- 971 Sources
- 972 External links
- 973 Citations
- 974 Notes
- 975 References
- 976 Sources
- 977 External links
- 978 Citations
- 979 Notes
- 980 References
- 981 Sources
- 982 External links
- 983 Citations
- 984 Notes
- 985 References
- 986 Sources
- 987 External links
- 988 Citations
- 989 Notes
- 990 References
- 991 Sources
- 992 External links
- 993 Citations
- 994 Notes
- 995 References
- 996 Sources
- 997 External links
- 998 Citations
- 999 Notes
- 1000 References
- 1001 Sources
- 1002 External links
- 1003 Citations
- 1004 Notes
- 1005 References
- 1006 Sources
- 1007 External links
- 1008 Citations
- 1009 Notes
- 1010 References
- 1011 Sources
- 1012 External links
- 1013 Citations
- 1014 Notes
- 1015 References
- 1016 Sources
- 1017 External links
- 1018 Citations
- 1019 Notes
- 1020 References
- 1021 Sources
- 1022 External links
- 1023 Citations
- 1024 Notes
- 1025 References
- 1026 Sources
- 1027 External links
- 1028 Citations
- 1029 Notes
- 1030 References
- 1031 Sources
- 1032 External links
- 1033 Citations
- 1034 Notes
- 1035 References
- 1036 Sources
- 1037 External links
- 1038 Citations
- 1039 Notes
- 1040 References
- 1041 Sources
- 1042 External links
- 1043 Citations
- 1044 Notes
- 1045 References
- 1046 Sources
- 1047 External links
- 1048 Citations
- 1049 Notes
- 1050 References
- 1051 Sources
- 1052 External links
- 1053 Citations
- 1054 Notes
- 1055 References
- 1056 Sources
- 1057 External links
- 1058 Citations
- 1059 Notes
- 1060 References
- 1061 Sources
- 1062 External links
- 1063 Citations
- 1064 Notes
- 1065 References
- 1066 Sources
- 1067 External links
- 1068 Citations
- 1069 Notes
- 1070 References
- 1071 Sources
- 1072 External links
- 1073 Citations
- 1074 Notes
- 1075 References
- 1076 Sources
- 1077 External links
- 1078 Citations
- 1079 Notes
- 1080 References
- 1081 Sources
- 1082 External links
- 1083 Citations
- 1084 Notes
- 1085 References
- 1086 Sources
- 1087 External links
- 1088 Citations
- 1089 Notes
- 1090 References
- 1091 Sources
-

**PROGRAM-3(a)****Date:07-05-2022**

**AIM:** Write an HTML document to create registration form using all the input fields.

**SOURCE CODE:**

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      reg form
    </title>
  </head>

  <body style="background-color: cornsilk;">
    <div style="padding-left: 25%;padding-right: 25%; ">
      <div style="background-color: rgba(0, 255, 255, 0.425); padding-right: 10%; padding-left: 10%; border:2px solid red;">
        <br>
        <center ><h1>STUDENT REG FORM</h1></center>
        <form action="tags.html" >
          <br>
          <label for="">Name : </label>
          <input type="text">
          <br><br>
          <label for="">Father's Name : </label>
          <input type="text">
          <br><br>
          <label for="">Mother's Name : </label>
          <input type="text">
          <br><br>
          <label for="">Email address :</label>
          <input type="email" name="" id="" placeholder="sample@gamil.com">
          <br><br>
        </form>
      </div>
    </div>
  </body>
</html>
```

```
<label for="">Reg no:</label>  
<input type="text" name="" id="" pattern="[y,l][0-2][0-9]AIT[4-6][0-9][0-9]"  
placeholder="eg: Y20AIT507">  
  
<br><br>  
<label for="">Phone Number :</label>  
<input type="tel" name="" id="" placeholder="+91XXXXXXXXXX">  
  
<br><br>  
<label for="">Gender :</label>  
  
<input type="radio" name="gender" id="male">  
<label for="">Male </label>  
  
<input type="radio" name="gender" id="female">  
<label for="">Female </label>  
  
<input type="radio" name="gender" id="others">  
<label for="">Others </label>  
  
<br><br>  
<label for="">Date of Birth :</label>  
  
<input type="text" size="3" placeholder="dd"> - <input type="text"  
placeholder="mm" name="" id="" size="3"> - <input type="text" placeholder="yyyy" size="3"  
name="" id="">  
  
<br><br>  
<label for="blood">Blood Group:</label>  
  
<select name="" id="">  
  <option value="">select</option>  
  <option value="">o+</option>  
  <option value="">AB-</option>  
  <option value="">B+</option>  
  <option value="">O-</option>  
</select>  
  
<br><br>  
<label for="">Address :</label>  
<textarea name="" id="" cols="23" rows="1" placeholder="add ur address as it  
is"></textarea>
```

```
<br><br>

<label for="">Department :</label>

<input type="radio" value="" name="dep" id="it">
<label for="it">IT</label>

<input type="radio" value="" name="dep" id="cse">
<label for="cse">CSE</label>

<input type="radio" value="" name="dep" id="ece">
<label for="ece">ECE</label>

<input type="radio" value="" name="dep" id="cs">
<label for="cs">CYBER SECURITY</label>

<br><br>

<label for="">course :</label>

<input type="checkbox" name="" id="" >
<label for="">c++</label>

<input type="checkbox" name="" id="" >
<label for="">java</label>

<input type="checkbox" name="" id="" >
<label for="">python</label>

<input type="checkbox" name="" id="" >
<label for="">dbms</label>

<br><br>

<label for="">Please upload a photo :</label>
<input type="file" name="" id="">
<br><br>

<pre><input type="submit" name="" id=""> <input type="reset" name="" id=""></pre>
</form>
<br><br><br><br><br>
</div>
</div>
</body>
</html>
```

**OUTPUT:****Before filling:**

The screenshot shows a web browser window with a yellow header bar. The title bar reads "reg form". The address bar shows the URL "Z:/2.2/LABS/WT/Documentation/regform.html". The main content area has a red border and contains the following form fields:

**STUDENT REG FORM**

Name :

Father's Name :

Mother's Name :

Email address :

Reg no:

Phone Number :

Gender :  Male  Female  Others

Date of Birth :  dd -  mm -  yyyy

Blood Group:

Address :

Department :  IT  CSE  ECE  CYBER SECURITY

course :  c++  java  python  dbms

Please upload a photo :  
 No file chosen

**After filling:**

reg form x +

File | Z:/2.2/LABS/WT/Documentation/regform.html

## STUDENT REG FORM

Name :

Father's Name :

Mother's Name :

Email address :

Reg no:

Phone Number :

Gender :  Male  Female  Others

Date of Birth :  -  -

Blood Group:

Address :

Department :  IT  CSE  ECE  CYBER SECURITY

course :  c++  java  python  dbms

Please upload a photo :  
 photo\_6194...95194\_y.jpg

**PROGRAM-3(b)****Date:07-05-2022**

**AIM:** Write an HTML document to create a form that demonstrate the label,textarea,select,option,optgroup,legend,fieldset,datalist.

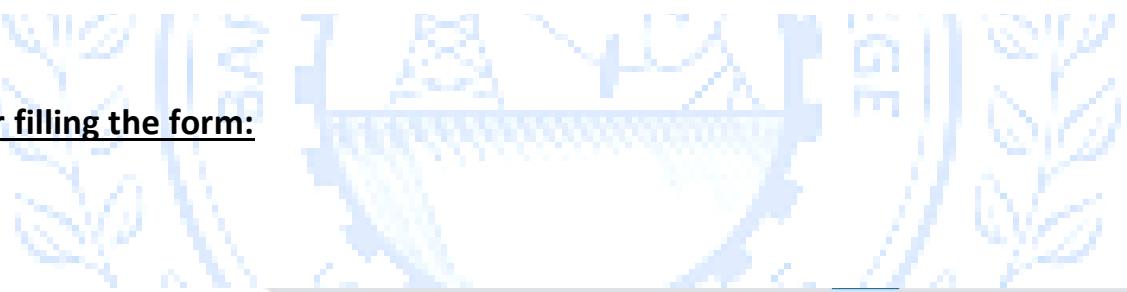
**SOURCECODE:**

```
<!DOCTYPE html>
<html>
  <head>
    <title>FORM</title>
  </head>
  <body>
    <form action="https://www.w3schools.com/tags/tag_legend.ASP">
      <fieldset style="background:yellow; border-color:red">
        <legend style="background:blue;color:white">Details</legend>
        <label>NAME:</label>&nbsp;&nbsp;&nbsp;&nbsp;
        <input type="text" name="NAME:"><br><br><br>
        <label>Father Name:</label>
        <input type="text" name="Father Name:"><br><br><br>
        <label>Address:</label>
        <textarea name="Address:"></textarea><br><br><br>
        <label>BloodGroup:</label>
        <select>
          <option>select</option>
          <option>A+</option>
          <option>B+</option>
          <option>AB+</option>
          <option>A-</option>
          <option>B-</option>
          <option>AB-</option>
        </select><br>
        <label> Colleges:</label>
        <select>
          <optgroup label="Engineering colleges">
```

```
<option>BEC</option>
<option>GEC</option>
<option>LBRCE</option>
</optgroup>
<optgroup label="Inter colleges">
    <option>Inter colleges</option>
    <option>Chaithanya college</option>
    <option>Narayana college</option>
</optgroup>
</select><br><br>
<input type="submit" >
</fieldset>
</form>
</body>
</html>
```

## **OUTPUT:**

### **Before filling the form:**



FORM x +

File | C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/5%20types%20form.html

**Details**

NAME:

Father Name:

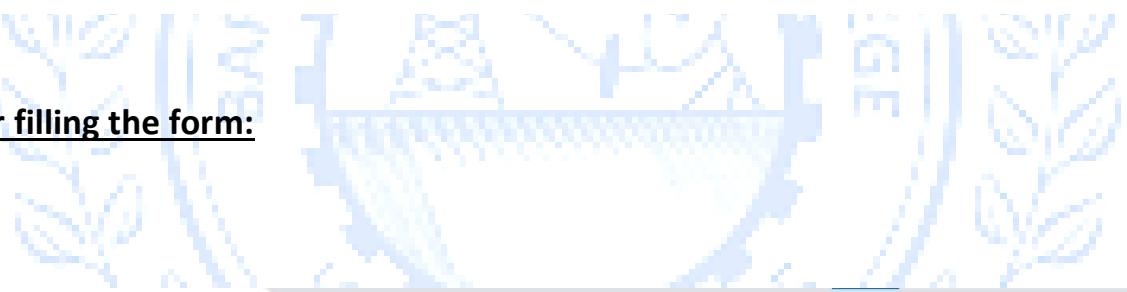
Address:

BloodGroup:

Colleges:

Submit

### **After filling the form:**



FORM x +

File | C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/5%20types%20form.html

**Details**

NAME:

Father Name:

Address:

BloodGroup:

Colleges:

Submit

**PROGRAM-4(a)****Date:14-05-2022****AIM: Demonstrate all the styles in css3**

- i) inline ii) internal iii)external**

**i)Inline style sheet****SOURCECODE:**

```
<!doctype html>
<html>
  <head>
    <title>inline</title>
  </head>
  <body style="color:rgb(255, 60, 0); background-color:rgba(18, 243, 209, 0.873); font-family:sans-serif">
    <h1 style="font-size:18pt">The fontsize of this heading is 18pt</h1>
    <p style="font-size:12pt">The fontsize of this paragraph is 12pt</p>
    <h1 style=" color:red; background-color:yellow font-size:18pt">The fontsize of this heading is 18pt</h1>
    <p style="color:#ff00a2; font-size:12pt">The fontsize of this paragraph is 18pt</p>
  </body>
</html>
```

**(ii) Internal style sheet:****AIM:****SOURCECODE:**

```
<!DOCTYPE HTML>
<html>
  <head>
    <title>Internal style sheet</title>
    <style>
      *{
        margin:0;
      }
      body{
        color:red;
      }
    </style>
  </head>
  <body>
    <h1>INTERNAL</h1>
    <h2>STYLING</h2>
  </body>
</html>
```

```
background-color:rgb(31, 178, 218);
font-family:sans serif;
h1{ font-size:18pt;}
}
p{
  font-size:12pt;
  color:rgb(255, 234, 0);
}
</style>
</head>
<body>
<h1>H1 with fontsize 18pt</h1><br>
<p>A paragraph with fontsize 12pt</p><br><br>
<h1 style="color:green;background-color:yellow;font-size:14pt">
  A heading h1 with fontsize 14pt
</h1><br>
<p style="color:rgb(234, 255, 0);font-family:Ariel;background-color:rgba(34, 139, 34, 0.666);fontsize:14pt">The font size of this paragraph is 12pt</p>
</body>
</html>
```

### **(iii) External style sheet:**

#### **AIM:**

#### **SOURCECODE:**

```
<!DOCTYPE HTML>
<head>
  <TITLE>CSS Example </TITLE>
  <LINK rel="stylesheet" type="text/css" href="example.css"/>
</head>
<body>
  <h1>A table representing companys and ceo's</h1><br>
  <p>It also shows whether ceo is from India or not!</p>
  <table>
```

```
<tr>
  <th>Company name</th>
  <th>CEO</th>
</tr>
<tr>
  <td class="code">Google</td>
  <td>Sundar Pichai,Indian</td>
</tr>
<tr>
  <td class="code">Amazon</td>
  <td>Zeff Bezos,Non Indian</td>
</tr>
<tr>
  <td class="code">Tesla</td>
  <td>Elon musk,Non Indian</td>
</tr>
<tr>
  <td class="code">Microsoft</td>
  <td>Satya Nadella</td>
</tr>
</table>
</body>
</html>
```

### Example.css:

```
/*style sheet for sample.html*/
*{ margin:0; }

body
{
  color:red;
  background-color:rgb(144, 238, 238);
  font-family:sans-serif;
```

```
}

h1{font-family:18pt;}

p{font-size:12pt;}

table{

background-color:yellow;

border-color:green;

border-width:2px;

border-style:solid;

}

th{

background-color:rgb(34, 255, 0);

font-weight:bold;

padding:3px;

}

td{padding:3px;}

td.code{

font-weight:bold;

font-family:sans-serif;

}

Linking:

<!DOCTYPE HTML>

<head>

<TITLE>CSS Example using import </TITLE>

<style type="text/css"> @import url("example.css");

p{color:red}

</style>

</head>

<body>

<h1>A table representing companys and ceo's</h1><br>

<p>It also shows whether ceo is from India or not!</p>

<table>
```

```
<tr>
  <th>Company name</th>
  <th>CEO</th>
</tr>
<tr>
  <td class="code">Google</td>
  <td>Sundar Pichai,Indian</td>
</tr>
<tr>
  <td class="code">Amazon</td>
  <td>Zeff Bezos,Non Indian</td>
</tr>
<tr>
  <td class="code">Tesla</td>
  <td>Elon musk,Non Indian</td>
</tr>
<tr>
  <td class="code">Microsoft</td>
  <td>Satya Nadella</td>
</tr>
</table>
</body>
</html>
```

### Example.css:

```
/*style sheet for sample.html*/
*{ margin:0; }

body
{
  color:red;
  background-color:rgb(144, 238, 238);
  font-family:sans-serif;
}
```

```
h1{ font-family:18pt; }

p{font-size:12pt; }

table{

background-color:yellow;

border-color:green;

border-width:2px;

border-style:solid;

}

th{

background-color:rgb(34, 255, 0);

font-weight:bold;

padding:3px;

}

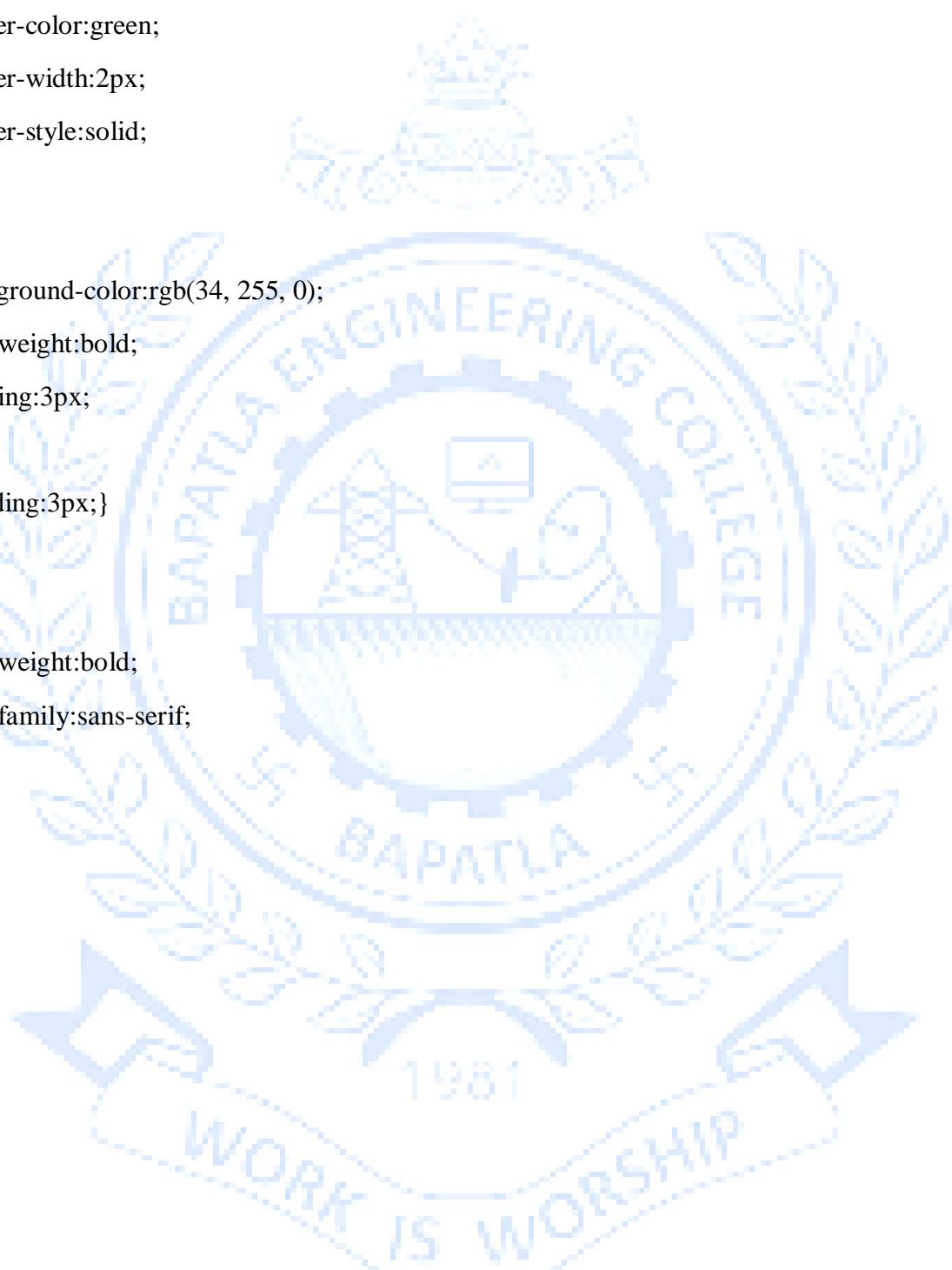
td{padding:3px; }

td.code{

font-weight:bold;

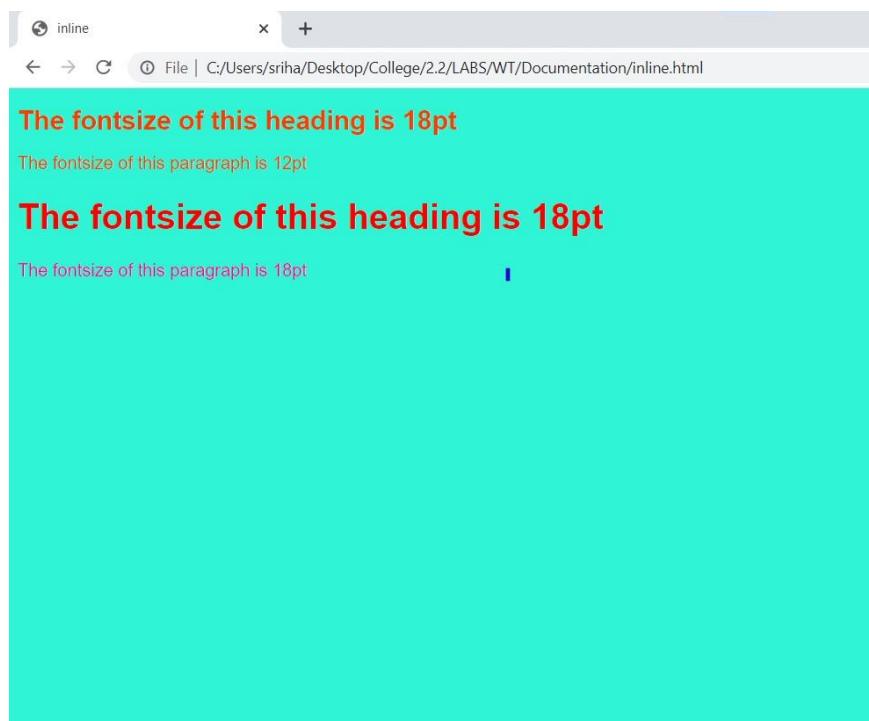
font-family:sans-serif;

}
```

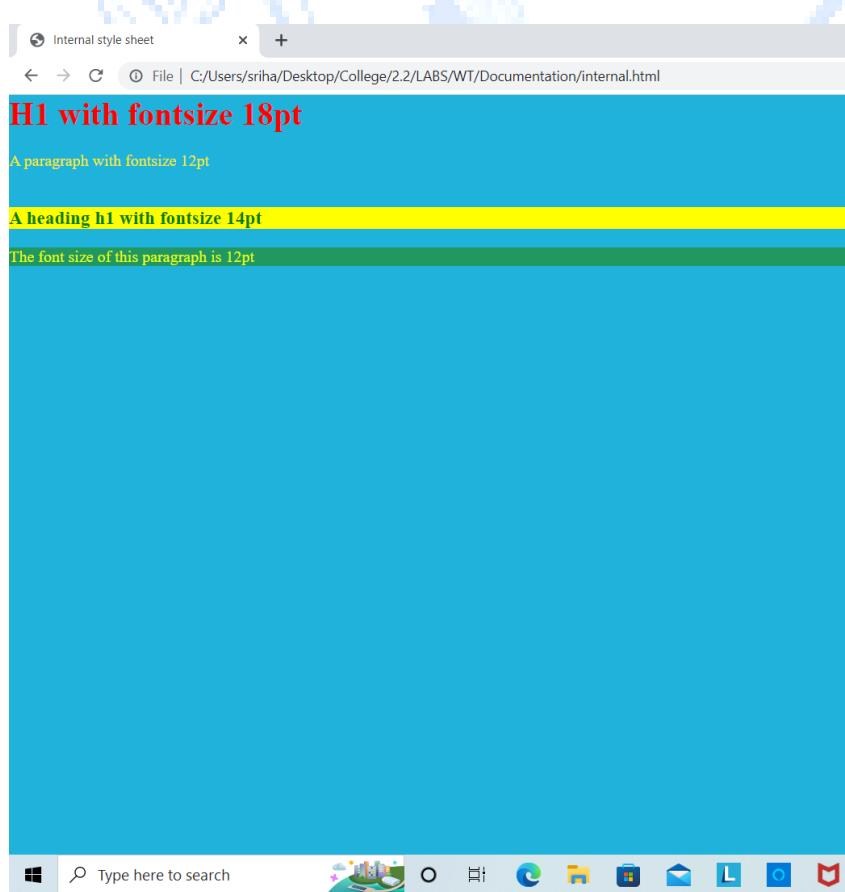


## **OUTPUT:**

### **Inline css:**



### **Internal css:**



## External css:

A table representing companys and ceo's

It also shows whether ceo is from India or not!

Company name	CEO
Google	Sundar Pichai,Indian
Amazon	Zeff Bezos,Non Indian
Tesla	Elon musk,Non Indian
Microsoft	Satya Nadella

## Css linkage using @import:

A table representing companys and ceo's

It also shows whether ceo is from India or not!

Company name	CEO
Google	Sundar Pichai,Indian
Amazon	Zeff Bezos,Non Indian
Tesla	Elon musk,Non Indian
Microsoft	Satya Nadella

**Program-4(b)****Date:14-05-2022****Aim: Demonstrate all the styles in css3 query selector****Source code:**

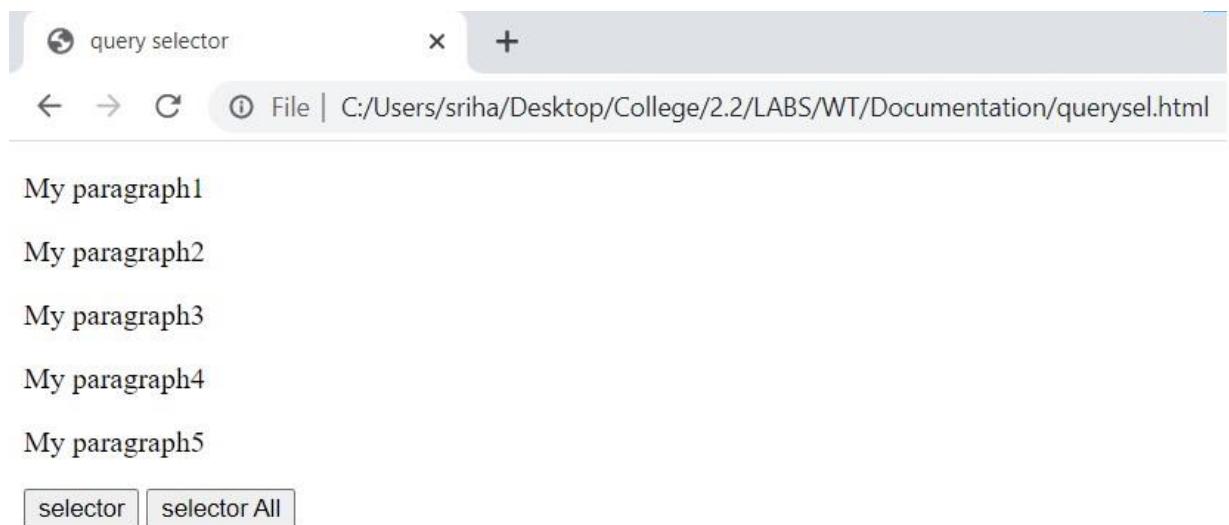
```
<!DOCTYPE HTML>

<html>
    <head>
        <title>query selector</title>
        <script type="text/javascript">
            function qsel()
            { document.querySelector("p").style.background="green"; }

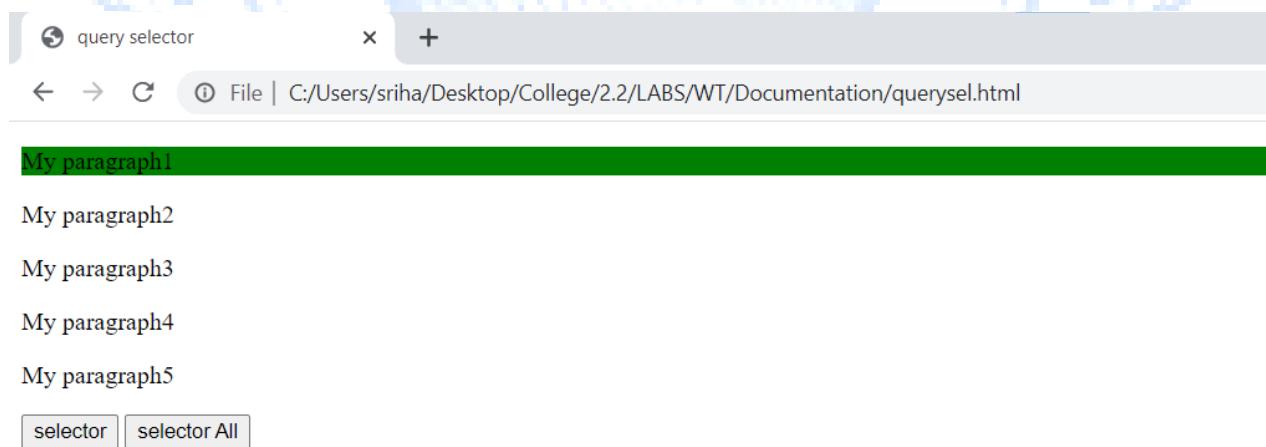
            function qselall()
            {
                list=document.querySelectorAll("p");
                for(var i=0;i<list.length;i++)
                {
                    list[i].style.background="red";
                }
            }
        </script>
    </head>
    <body>
        <p>My paragraph1</p>
        <p>My paragraph2</p>
        <p>My paragraph3</p>
        <p>My paragraph4</p>
        <p>My paragraph5</p>
        <button onclick="qsel()">selector</button>
        <button onclick="qselall()">selector All</button>
    </body>
</html>
```

## **OUTPUT:**

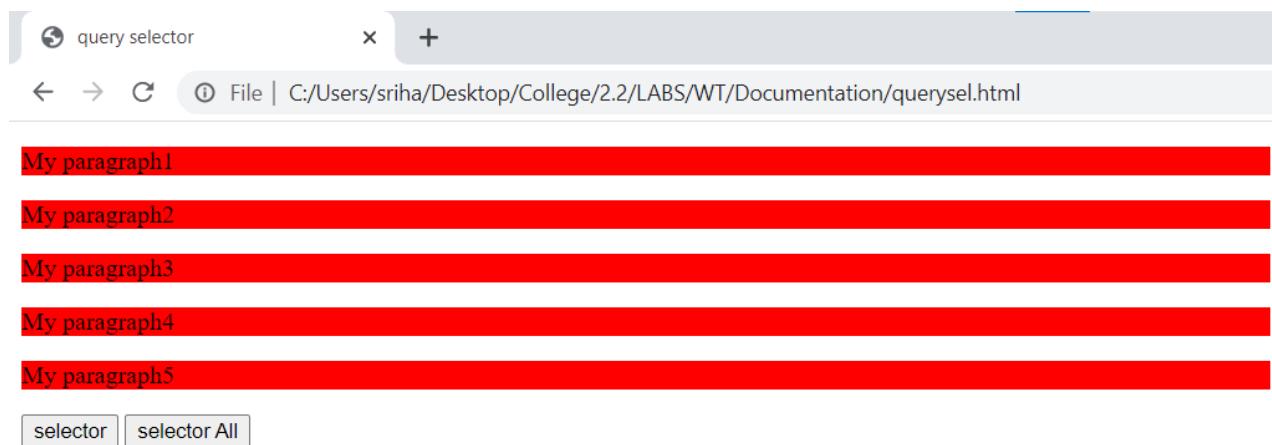
### **Before buttons clicked:**



### **Query selector clickage:**



## Query selector all clickage:



The screenshot shows a web browser window with the title "query selector". The address bar indicates the file is located at "C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/queriesel.html". The page content consists of five paragraphs, each with a red background. The paragraphs are labeled "My paragraph1", "My paragraph2", "My paragraph3", "My paragraph4", and "My paragraph5". Below the paragraphs are two buttons: "selector" and "selector All".

My paragraph1  
My paragraph2  
My paragraph3  
My paragraph4  
My paragraph5

selector selector All



## Program-5 (a)

Date:25-06-2022

**Aim:** Write a javascript program to demonstrate the Mouse events

**Source code:**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>mouse events</title>
    <script type="text/javascript">

        function mo(){
            document.getElementById("m1").style.background="red";
        }

        function me(){
            document.getElementById("m2").style.color="blue";
        }

        function ml(i){
            i.height=200;
            i.width=200;
        }

        function db(){
            document.getElementById("m4").style.border="solid 2px red";
        }

        function od(){
            document.getElementById("m5").style.fontFamily="monospace"
        }

        function oc(){
            document.getElementById("m6").style.background="blue";
        }

        function mm(){
            alert("mouse moved over image")
        }

        function mout(){
            alert("mouse out happened")
        }
    </script>
</head>
<body>
    <div id="m1" onmouseover="mo()" onmouseout="mout()></div>
    <div id="m2" onmouseover="me()" onmouseout="od()></div>
    <div id="m3" onmouseover="ml(this)" onmouseout="oc()></div>
    <div id="m4" onmouseover="db()" onmouseout="oc()></div>
    <div id="m5" onmouseover="od()" onmouseout="oc()></div>
    <div id="m6" onmouseover="oc()" onmouseout="oc()></div>
</body>

```

```
        }  
  
</script>  
  
</head>  
  
<body>  
    <p id="m1" onmouseover="mo()">ON MOUSE OVER</p>  
    <p id="m2" onmouseenter="me()">ON MOUSE ENTER</p>  
      
    <p id="m4" ondblclick="db()">ON DOUBLE CLICK</p>  
    <p id="m5" ondrag="od()">ON DRAG</p>  
    <p id="m6" onclick="oc()">ON CLICK</p>  
    <br><br>  
      
  
</body>  
</html>
```

## **OUTPUT:**

### **Before mouse evennts handled:**



ON MOUSE OVER

ON MOUSE ENTER



ON DOUBLE CLICK

ON DRAG

ON CLICK



## After mouse events handled:



**ON MOUSE OVER**

**ON MOUSE ENTER**



on mouseleave event

**ON DOUBLE CLICK**

ON DRAG

**ON CLICK**



on mouse move



on mouseout



## On mouse out from image 2:

mouse events    x    +

File | C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/mouse%20events.html

ON MOUSE OVER

ON MOUSE ENTER

ON DOUBLE CLICK

ON DRAG

ON CLICK

on mouse move

on mouseout

This page says  
mouse out happened

OK

---

## On mouse moved from image 3:

mouse events    x    +

File | C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/mouse%20events.html

ON MOUSE OVER

ON MOUSE ENTER

ON DOUBLE CLICK

ON DRAG

ON CLICK

on mouse move

on mouseout

This page says  
mouse moved over image

OK

---

**Program-5(b)****Date:25-06-2022****Aim:** Write a javascript program to demonstrate the Form events**Source code:**

```
<!DOCTYPE HTML>

<html>

    <head>

        <title>Form events</title>

        <script>

            function osu(){      confirm("Are you sure you want to submit"); }

            function oi(){ alert("Invalid submission"); }

            function ofo(){ document.getElementById("f").style.background="cyan"; }

            function or(){

                document.getElementById("p").innerHTML="Form reset done!"; }

            function ob(){

                document.getElementById("f").style.background="red"; }

            function os(){

                document.getElementById("p").innerHTML="You selected the

content of input field"; }

            function oc(){

                document.getElementById("p").innerHTML="You changed the

content of input field"; }

        </script>

    </head>

    <body>

        <form action="" onsubmit="osu()" onreset="or()" required>

            name :<input type="email" id="f" onfocus="ofo()" onblur="ob()"

onselect="os()" onchange="oc()" oninvalid="oi()" >

            <input type="submit">&nbsp; <input type="reset" >

        </form>

        <h3 id="p" ></h3>

    </body>

</html>
```

**OUTPUT:****Before form events handled:**

name :  Submit Reset

**On focus:**

name :  Submit Reset

**On blur:**

name :  Submit Reset

**On select:**

Form events x +

File | C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/form%20events.html

name :

Submit Reset

**You selected the content of input field**

---

**On invalid submission:**

Form events x +

File | C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/form%20events.html

name :

Submit Reset

This page says  
Invalid submission

**You changed the content of input field**

ok

**On reset:**

Form events x +

File | C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/form%20events.html

name :

Submit Reset

**Form reset done!**

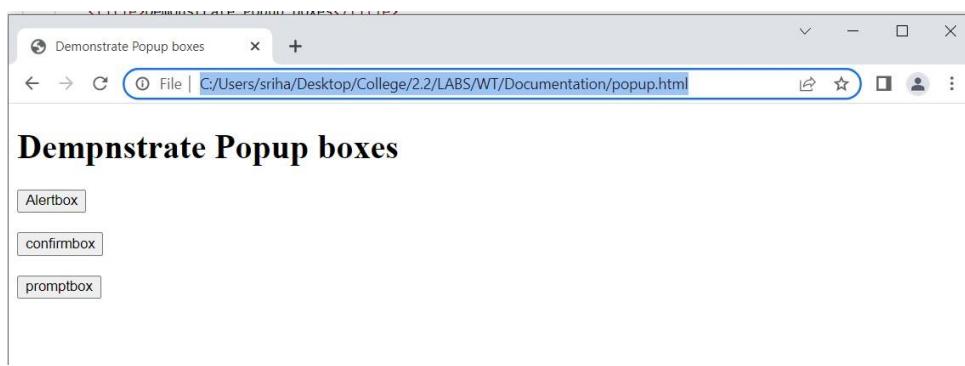
---

**Program-5(c)****Date:25-06-2022****Aim:** Write a javascript program to demonstrate the pop-ups**Source code:**

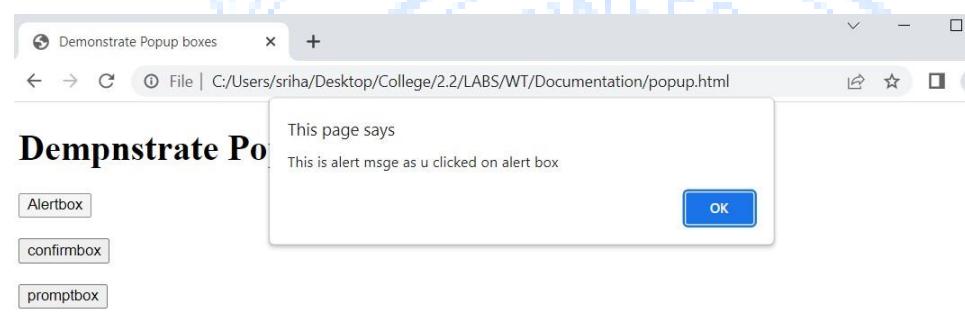
```
<!DOCTYPE html>
<html>
    <head>
        <title>Demonstrate Popup boxes</title>
        <script type="text/javascript">
            function al(){
                alert("This is alert msge as u clicked on alert box");
            }
            function cnf(){
                confirm("Are you sure u want to continue?");
            }
            function pro(){
                var n=prompt("plz enter ur name");
                document.getElementById("pmsg").innerHTML="your name is :" +n;
            }
        </script>
    </head>
    <body>
        <h1>Dempnstrate Popup boxes</h1>
        <button onClick="al()">Alertbox</button><br><br>
        <button onClick="cnf()">confirmbox</button><br><br>
        <button onClick="pro()">promptbox</button>
        <p id="pmsg"></p>
    </body>
</html>
```

## **OUTPUT:**

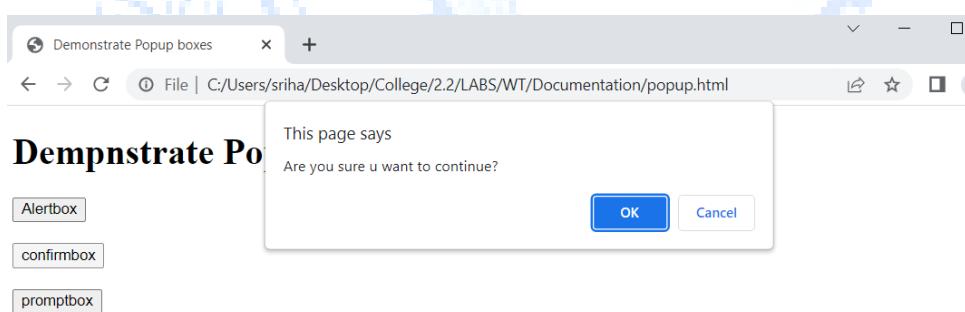
### **Before popup boxes activated:**



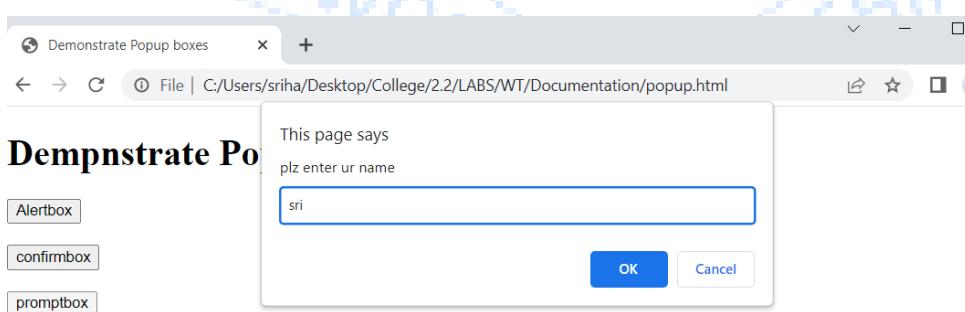
### **Alert box:**



### **Confirm box:**



### **Prompt box:**



your name is :sri

**Program-6(a)****Date:01-07-2022****Aim:** Write a javascript program to demonstrate the String objects.**Source code:**

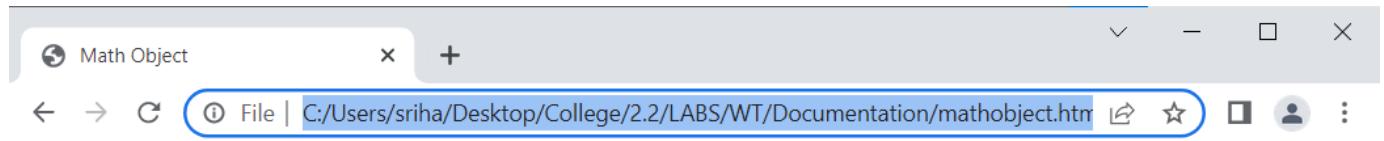
```
<!Doctype html>
<html>
    <head>
        <title>js demo 3</title>
    </head>
    <body>
        <script>
            var s="hello world";
            var t="hi man";
            document.write("<h1>methods in string object</h1>")
            document.write("replace hel with hi :" + s.replace('hel','hi') + "<br>");
            document.write("search: " + "" .search('p') + "<br>");
            document.write(s.search('hel') + "<br>");
            document.write(s.search('wor') + "<br>");
            document.write("slice: " + s.slice(2,5) + "<br>");
            document.write("lowercase :" + s.toLowerCase() + "<br>");
            document.write("uppercase:" + s.toUpperCase() + "<br>");
            document.write("valueof s :" + s.valueOf() + "<br>");
            document.write("index of l is: " + s.indexOf('l') + "<br>");
            document.write("concatanation :" + s.concat(t) + "<br>");
            document.write("charcode at: " + s.charCodeAt(5) + "<br>");
            document.write("char at:" + s.charAt(6) + "<br>");
            document.write("last indexof e is: " + s.lastIndexOf('e') + "<br>");
            document.write("match of o is at:" + s.match('o') + "<br>");
            document.write("match of p :" + s.match('p') + "<br>");
            document.write("<h1>properties in string object</h1>")
            document.write("big size: " + s.big() + "<br>");
            document.write("small size:" + s.small() + "<br>");
            document.write("bold letters :" + s.bold() + "<br>");
```

```
document.write("font color : "+s.fontcolor("red")+"  
");  
document.write("font size : "+s.fontSize("50px")+"  
");  
document.write(s.match('p')+"  
  
");  
document.write("<br>Link:"+s.link());  
document.write("<br>strike-out text:"+s.strike());  
document.write("<br>subscript:"+t.sub());  
document.write("<br>supscript:"+t.sup());  
document.write("<br>Italic text:"+s.italics());  
document.write("<br>strike-out text:"+s.strike());  
document.write("<br>Text Blink:"+s.blink());  
</script>  
</body>  
</html>
```

## **OUTPUT:**

**Program-6(b)****Date:02-07-2022****Aim:** Write a javascript program to demonstrate the Math object.**Source code:**

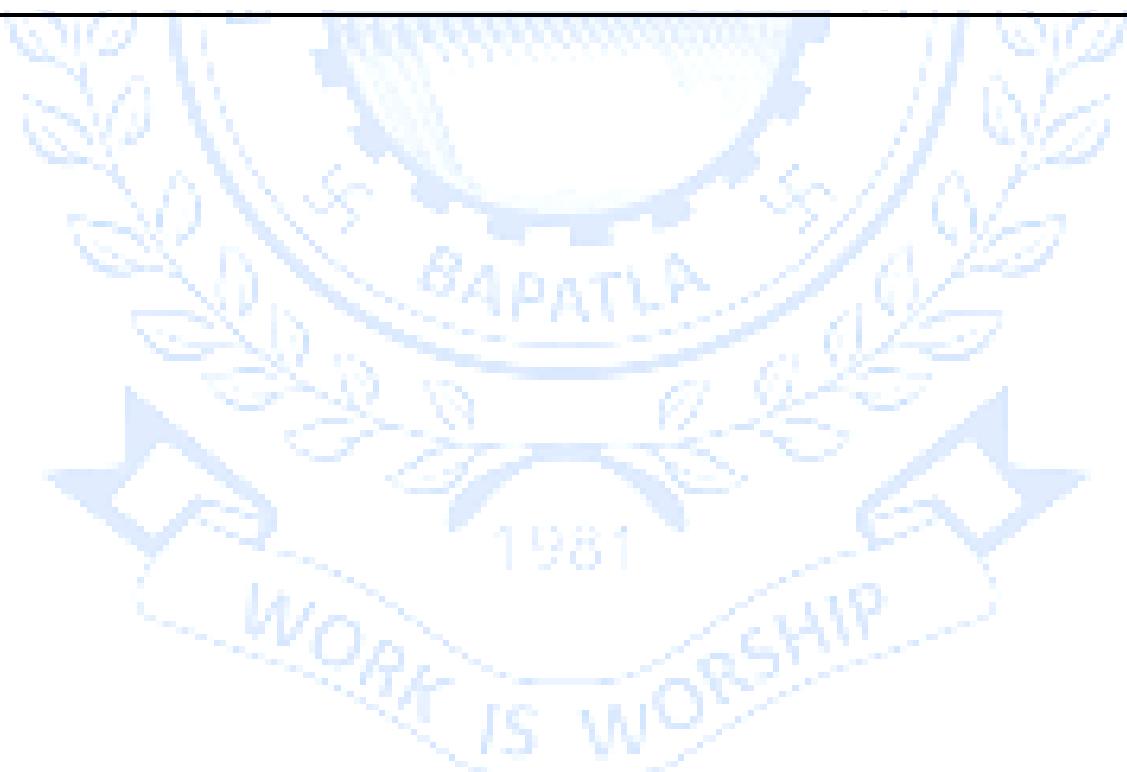
```
<!DOCTYPE html>
<html>
<head>
    <title> Math Object</title>
</head>
<body >
    <script type="text/javascript">
        document.write("<h2>Math object properties</h2>");
        document.write("Euler's number E:"+Math.E);
        document.write("<br>natural logarithmic of 2:"+Math.LN2);
        document.write("<br>natural logarithmic of 10:"+Math.LN10);
        document.write("<br>base-2 logarithmic of E:"+Math.LOG2E);
        document.write("<br> base-10 logarithmic of E:"+Math.LOG10E);
        document.write("<br>Number value of PI:"+Math.PI);
        document.write("<br>Square root of 1/2:"+Math.SQRT1_2);
        document.write("<br> Square root of 2:"+Math.SQRT2);
        document.write("<h2>Math object methods</h2>");
        document.write("absolute value of pi:"+Math.abs(Math.PI));
        document.write("<br>natural logarithm of 20:"+Math.log(20));
        document.write("<br>max value among (5,6,7,8,9):"+Math.max(5,6,7,8,9));
        document.write("<br>min value among (5,6,7,8,9):"+Math.min(5,6,7,8,9));
        document.write("<br>the value of S to the power of 2:"+Math.pow (5,2));
        document.write("<br>random number between 0 and 1:"+Math.random());
        document.write("<br>square root of 16:"+Math.sqrt(16));
    </script>
</body>
</html>
```

**OUTPUT:****Math object properties**

Euler's number E:2.718281828459045  
natural logarithmic of 2:0.6931471805599453  
natural logarithmic of 10:2.302585092994046  
base-2 logarithmic of E:1.4426950408889634  
base-10 logarithmic of E:0.4342944819032518  
Number value of PI:3.141592653589793  
Square root of 1/2:0.7071067811865476  
Square root of 2:1.4142135623730951

**Math object methods**

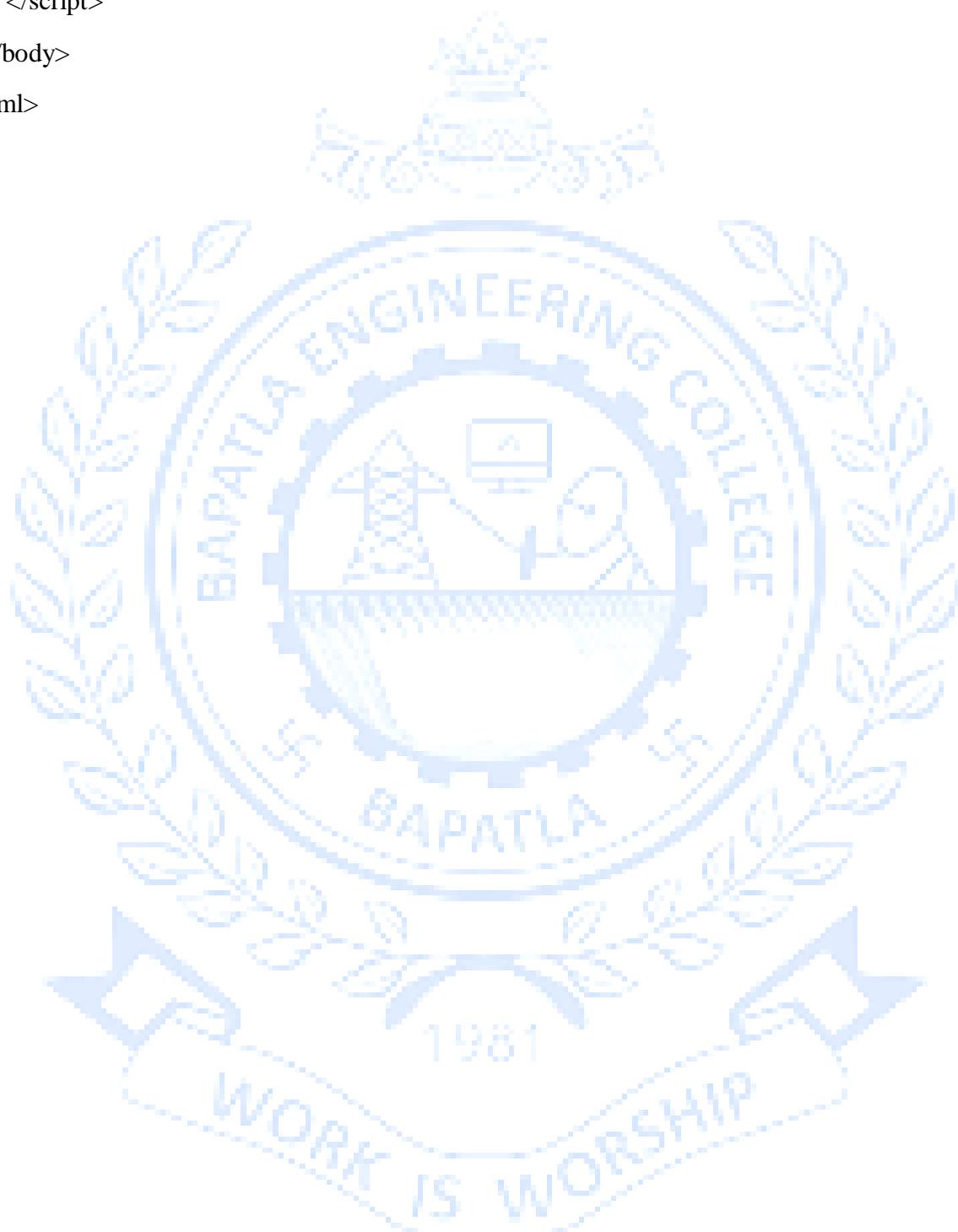
absolute value of pi:3.141592653589793  
natural logarithm of 20:2.995732273553991  
max value among (5,6,7,8,9):9  
min value among (5,6,7,8,9):5  
the value of S to the power of 2:25  
random number between 0 and 1:0.3384480154621097  
square root of 16:4



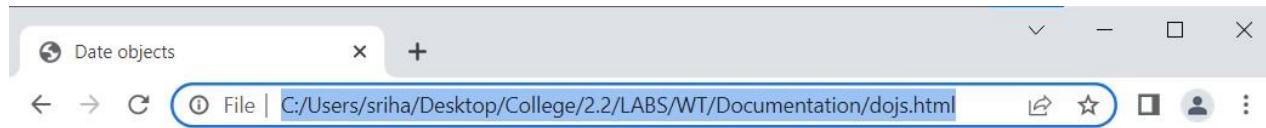
**Program-6(c)****Date:02-07-2022****Aim:** Write a javascript program to demonstrate the Date object.**Source code:**

```
<!DOCTYPE html>
<html>
  <head>
    <title> Date objects</title>
  </head>
  <body>
    <script type="text/javascript">
      var d1= new Date();
      var d2=new Date(2000000);
      var d3=new Date("july 08,2022");
      var d4=new Date(2022,00,01);
      var d5=new Date(2022,00,01,10,45,30);
      document.write("<h2>Date object creation</h2>");
      document.write("Empty Date object creation:"+d1);
      document.write("<br>Date object with milliseconds:"+d2);
      document.write("<br>Date object with string:"+d3);
      document.write("<br>Date object with specified date:"+d4);
      document.write(" <br> Date object with specified date & time:"+d5);
      document.write("<h2>Date object methods</h2>");
      document.write("Current Date:"+Date(d1.valueOf()));
      document.write("<br>Day:"+d1.getDay());
      document.write("<br>Date:"+d1.getDate());
      document.write("<br>Month."+d1.getMonth());
      document.write("<br>Year:"+d1.getFullYear());
      document.write("<br>Hourse:"+d1.getHours());
      document.write("<br>Minutes:"+d1.getMinutes());
      document.write("<br>Seconds:"+d1.getSeconds());
      document.write("<br>Milliseconds:"+d1.getMilliseconds());
      document.write("<br>Time:"+Date(d1.getTime()));
    </script>
  </body>
</html>
```

```
document.write("<br>difference between UTC time and local time, in  
minutes:"+d1.getTimezoneOffset());  
  
document.write("<br>Setting the Date:"+d1.setDate(10));  
  
document.write("<br>getting the Date:"+d1.getDate());  
  
</script>  
  
</body>  
  
</html>
```



## **OUTPUT:**



### **Date object methods**

Current Date:Fri Aug 05 2022 08:14:33 GMT+0530 (India Standard Time)

Day:5

Date:5

Month:7

Year:2022

Hour:8

Minutes:14

Seconds:33

Milliseconds:682

Time:Fri Aug 05 2022 08:14:33 GMT+0530 (India Standard Time)

difference between UTC time and local time, in minutes:-330

Setting the Date:1660099473682

getting the Date:10



**Program-7(a)****Date:09-07-2022****Aim:** Write a javascript program to demonstrate Window objects**Source code:**

```
<!DOCTYPE html>
<html>
  <head>
    <title>Window object</title>
  </head>
  <body>
    <h2>Frames</h2>
    <iframe src="popup.html" width="200" height="200"></iframe>
    <iframe src="mouse events.html" width="200" height="200"></iframe>
    <iframe src="" width="200" height="200"></iframe>
    <h2>window object methods</h2>
    <button id="but1"
    onclick="win=window.open('tags.html')>OpenWindow</button>&nbsp;&nbsp;&nbsp;&nbsp;
    <button id="but1" onclick="win.close()">close Window</button>&nbsp;&nbsp;&nbsp;&nbsp;
    <button id="but1" onclick="window.alert('Alert
Message')>Alert</button>&nbsp;&nbsp;&nbsp;&nbsp;
    <button id="but1" onclick="window.prompt('prompt
Message')>Prompt</button>&nbsp;&nbsp;&nbsp;&nbsp;
    <button id="but1" onclick="window.confirm('confirm
message')>confirm</button>&nbsp;&nbsp;&nbsp;&nbsp;
    <button id="but1" onclick="win.moveTo(100,100)">Move
Window</button>&nbsp;&nbsp;&nbsp;&nbsp;
    <h2>window object properties</h2>
    <script type="text/javascript">
      document.write("Number of Frames Used are:"+window.length);
      window.frames[2].location="tags.html";
      document.write("<br><u>Innerheight:</u> height of the windows content
area(viewport)including scrollbars:"+window.innerHeight);
      document.write("<br><u>Innerwidth:</u> width of the windows content
area(viewport)including scrollbars:"+window.innerWidth);
    </script>
  </body>
</html>
```

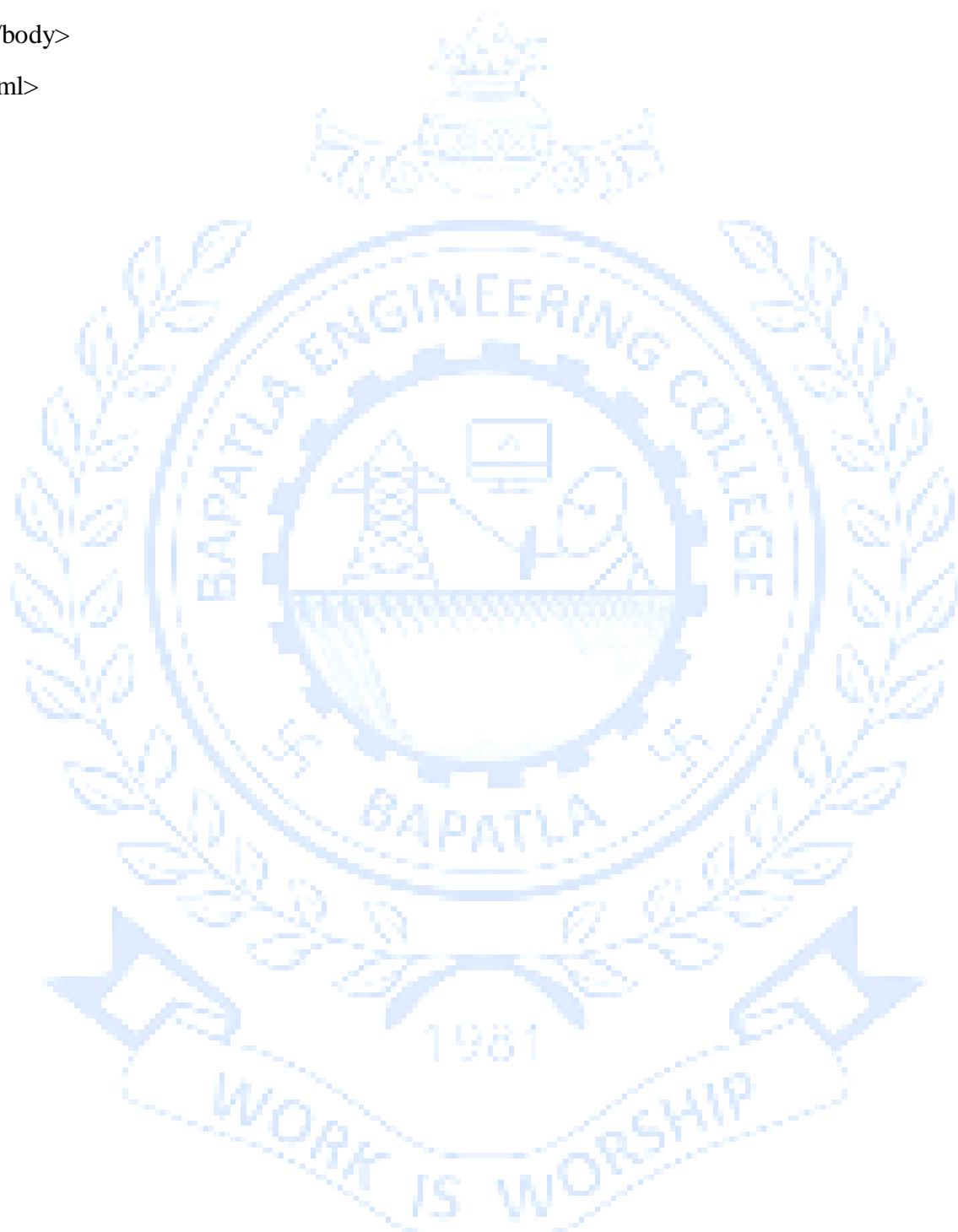
```
document.write("<br><u>outerheight:</u> height of the browser  
window,including toolbars/scrollbars:"+window.outerHeight);
```

```
document.write("<br><u>outerwidth:</u> width of the browser window,including  
toolbars/scrollbars:"+window.outerWidth);
```

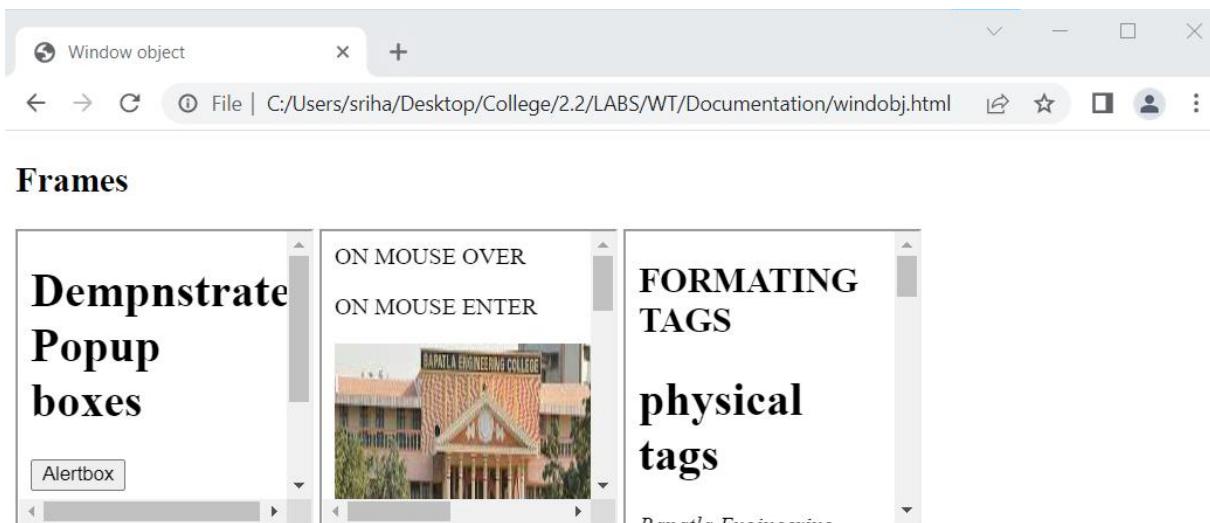
```
</script>
```

```
</body>
```

```
</html>
```



## Output:



### window object methods

[Open Window](#) [close Window](#) [Alert](#) [Prompt](#) [confirm](#) [Move Window](#)

### window object properties

Number of Frames Used are:3

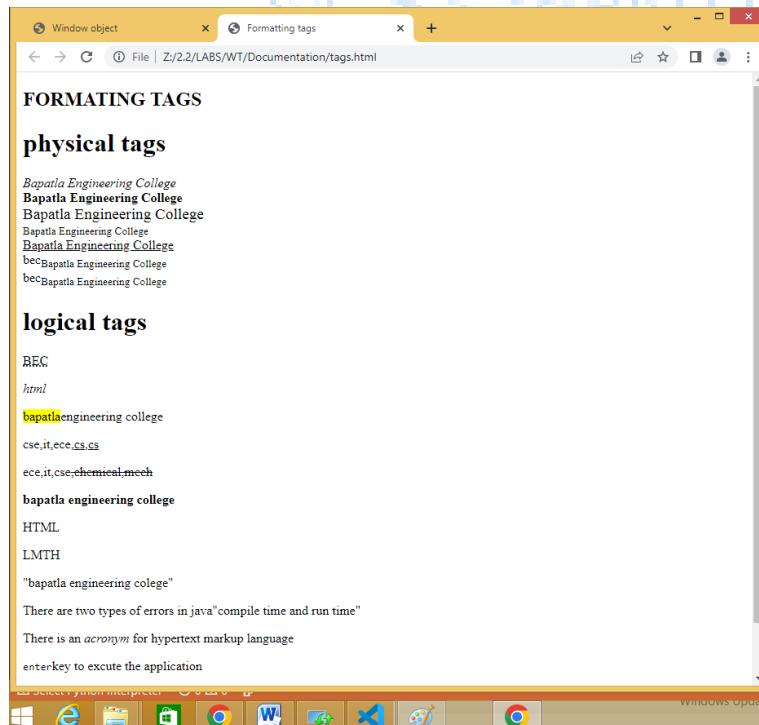
Innerheight: height of the windows content area(viewport)including scrollbars:754

Innerwidth: width of the windows content area(viewport)including scrollbars:1536

outerheight: height of the browser window,including toolbars/scrollbars:824

outerwidth: width of the browser window,including toolbars/scrollbars:undefined

## On opening a window using the button available:



**Program-7(b)****Date:09-07-2022****Aim:** Write a javascript program to demonstrate document objects**Source code:**

```
<!DOCTYPE HTML>

<html>
    <head>      <title>Document Object</title>      </head>
    <body>
        <h2>Images</h2>
        Image 1:
        Image 2:
        <h2>Links</h2>
        <a id="link1" href="mouse.html">Page1</a><a id = "link2" href="formev.html">Page2</a>
        <h2>Docuemnt object methods</h2>
        <button onclick="open_doc()">Open Docuemnt</button>
        <script type="text/javascript">
            document.write("<h2>Document object collection</h2>");
            document.write("Number of images:"+document.images.length);
            document.write("<br>Number of links:"+document.links.length);
            document.write("<h2>Document object properties</h2>");
            document.write("Title of docuemnt:"+document.title);
            document.write("<br>URL of docuemnt:"+document.URL);
            document.write("<br> state of docuemnt:"+document.readyState);
            document.write("<br>lastmodified of docuemnt:"+document.lastModified);
            function open_doc(){
                var mywindow = window.open();
                mywindow.document.open();
                mywindow.document.write("<h1>Welcome to document</h1>");
                mywindow.document.close();
            }
        </script>
    </body>
</html>
```

## OUTPUT: +

A screenshot of a browser window titled "Document Object". The address bar shows the file path: C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/docob.html. The main content area displays two images: Image 1 is the logo of Bapatla Engineering College, and Image 2 is a photograph of the college building.

### Images



Image 1:



Image 2:

### Links

[Page1](#) [Page2](#)

### Docuemnt object methods

[Open Docuemnt](#)

### Document object collection

Number of images:2

Number of links:2

### Document object properties

Title of docuemnt:Document Object

URL of docuemnt:file:///C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/docob.html

state of docuemnt:loading

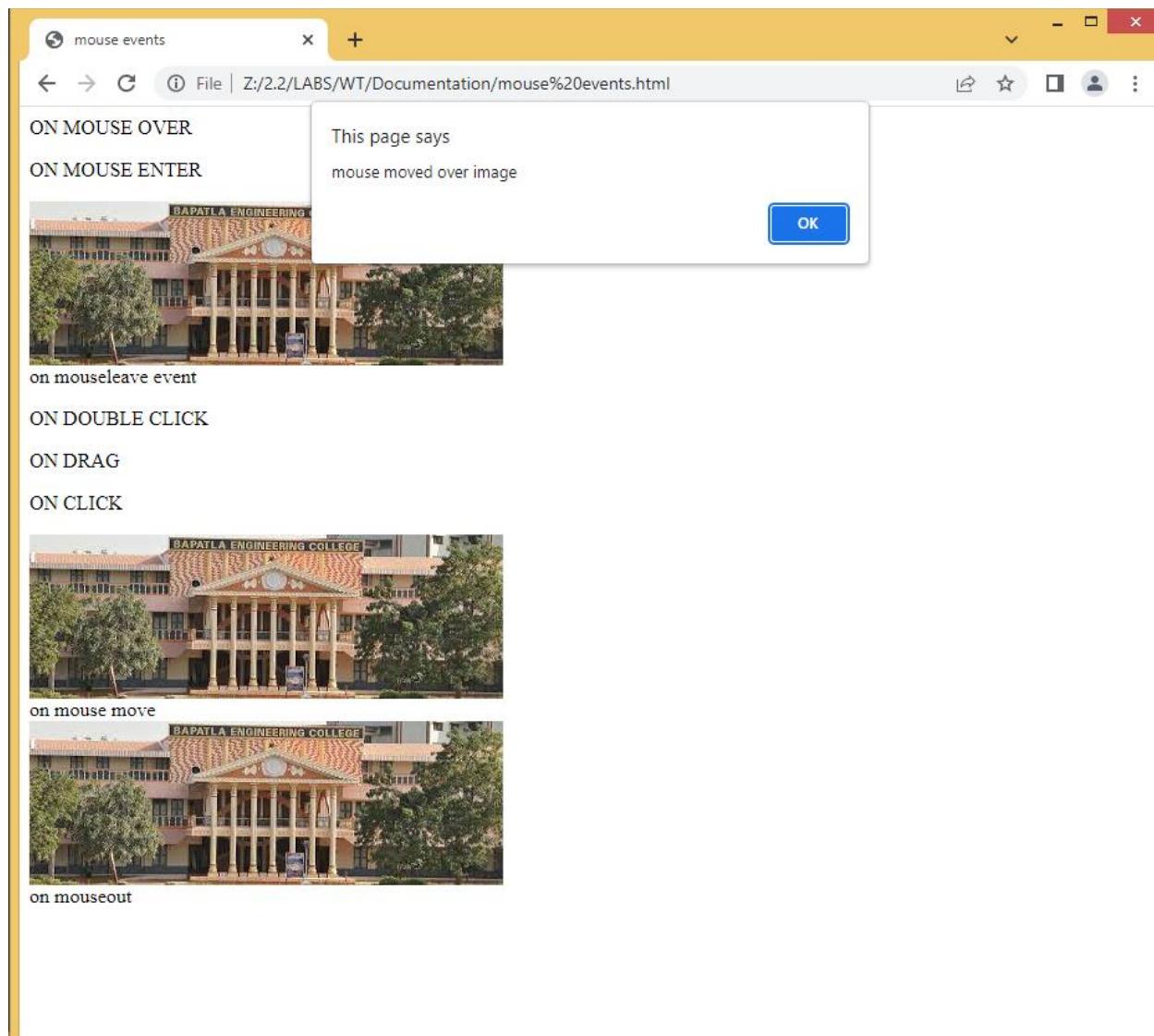
lastmodified of docuemnt:08/05/2022 08:37:56

## On clicking open document:

A screenshot of a browser window titled "Document Object". The address bar shows the URL: about:blank. The main content area displays the text "Welcome to document".

## Welcome to document

## On clicking a page1 link:



**Program-8(i)****Date:16-07-2022**

**Aim:** Write a javascript program to a.create ,b.delete, c.duplicate, and d.insert a node before element using docnode interface.

**Source code:**

```
<!DOCTYPE html>
<html>
<head>
<title>node interface</title>
<script type="text/javascript">
function create_node(){
    var link=document.createElement("a");
    link.setAttribute("id","li");
    link.setAttribute("href","image.jpg");
    link.setAttribute("width","100");
    link.setAttribute("height","100");
    text=document.createTextNode("my link");
    link.appendChild(text);
    document.body.appendChild(link);
}
function delete_node(){
    child=document.getElementById("li");
    document.body.removeChild(child);
}
function clone_node(){
    link=document.getElementById("li");
    c=link.cloneNode(true);
    document.body.appendChild(c);
}
function insert_node(){
    link=document.getElementById("li");
    para=document.createElement("p");
    para.setAttribute("id","p1");
```

```
text=document.createTextNode("my paragraph before link");
para.appendChild(text);
document.body.insertBefore(para,link);

}

</script>

</head>

<body>

<div id="d">

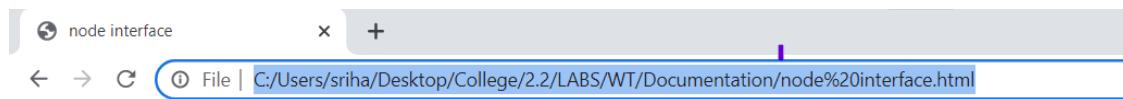
<h2>Node interface methods</h2>

<button onclick="create_node()">create link</button>
<button onclick="delete_node()">remove link</button>
<button onclick="clone_node()">clone link</button>
<button onclick="insert_node()">insert paragraph before link</button>

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

## **OUTPUT:**

### **Before clicking on nodes:**



### **Node interface methods**

[create link](#) [remove link](#) [clone link](#) [insert paragraph before link](#)

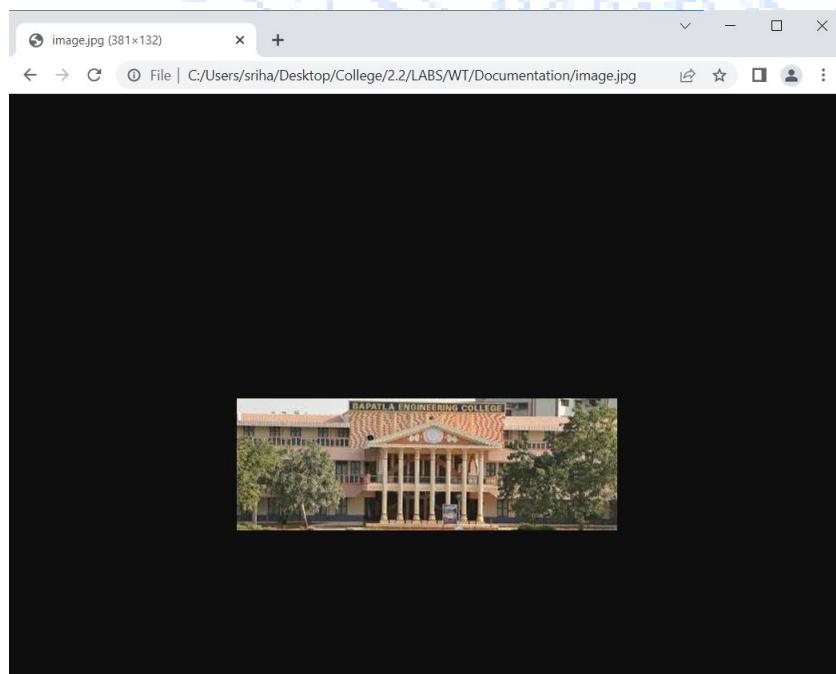
### **After creating a node:**



### **Node interface methods**

[create link](#) [remove link](#) [clone link](#) [insert paragraph before link](#)  
[my link](#)

### **On clicking on the created link:**



## **After cloning and inserting paragraphs:**

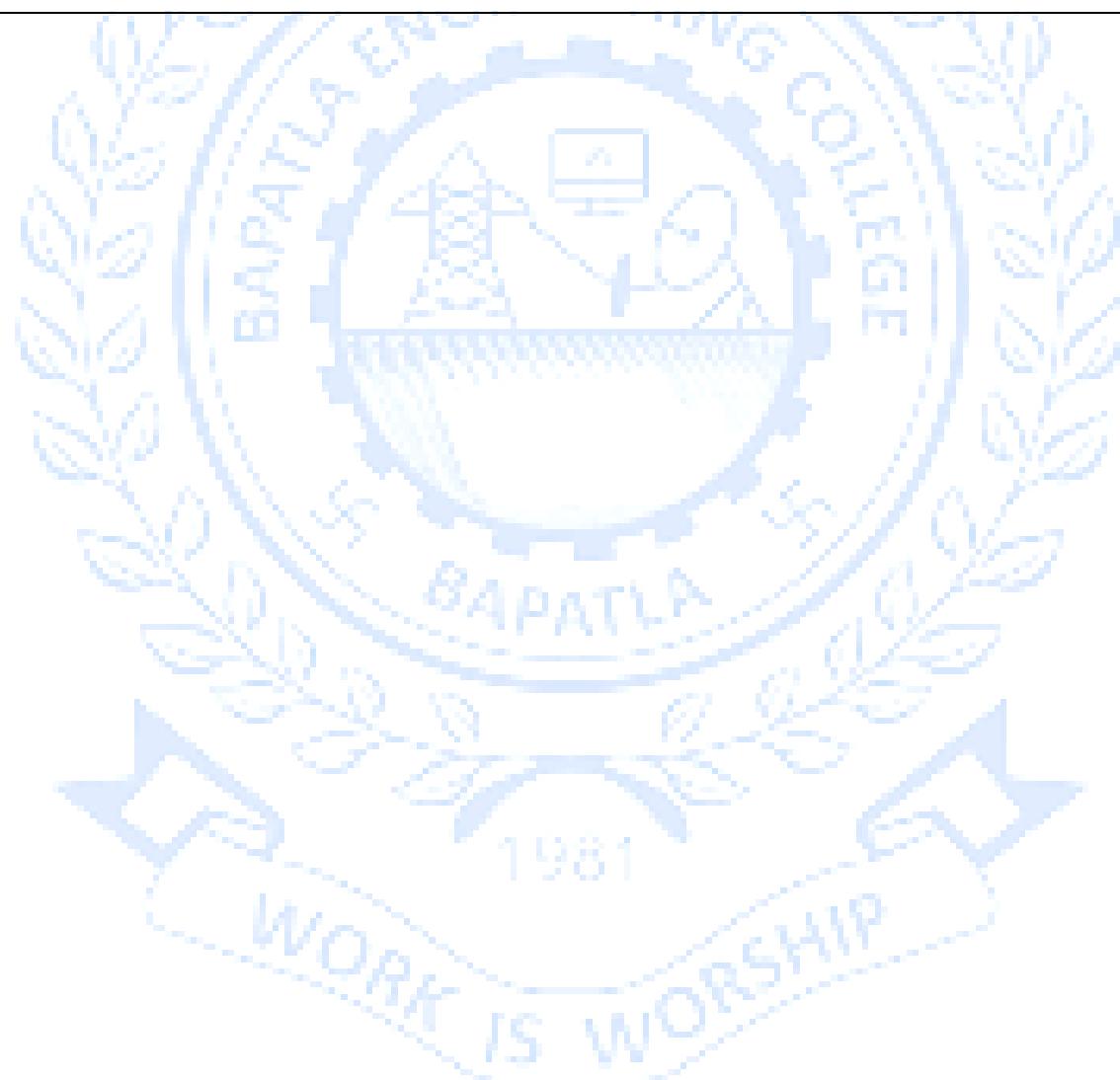


### **Node interface methods**

[create link](#) [remove link](#) [clone link](#) [insert paragraph before link](#)

[my link](#) [my link](#) [my link](#) [my link](#) [my link](#) [my link](#) [my link](#) [my link](#)

my paragraph before link

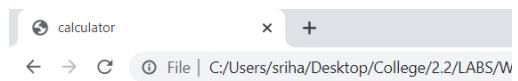
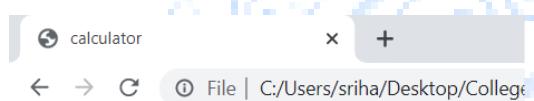


**Program-8(ii)****Date:16-07-2022****Aim:** Develop simple web application calculator**Source code:**

```
<!DOCTYPE HTML>

<html>
  <head><title>calculator</title>
  <script type="text/javascript">
    function dis(val){
      document.getElementById("result").value+=val
    }
    function solve(){
      var x = document.getElementById("result").value
      var y = eval(x)
      document.getElementById("result").value = y
    }
    function clr(){
      document.getElementById("result").value = ""
    }
  </script>
</head>
<body>
  <table >
    <tr>
      <td colspan="3"><input type="text" id="result" style="text-align:right; width:100px;" ></td>
    <tr>
      <td><input type="button" value="AC" onclick="clr()" /></td>
    <tr>
      <td><input type="button" value="1" onclick="dis('1')"/> </td>
      <td><input type="button" value="2" onclick="dis('2')"/></button> </td>
      <td><input type="button" value="3" onclick="dis('3')"/> </td>
    <tr>
      <td><input type="button" value="/" onclick="dis('/')"/> </td>
```

```
</tr>
<tr>
    <td><input type="button" value="4" onclick="dis('4')"/> </td>
    <td><input type="button" value="5" onclick="dis('5')"/> </td>
    <td><input type="button" value="6" onclick="dis('6')"/> </td>
    <td><input type="button" value="-" onclick="dis('-')"/> </td>
</tr>
<tr>
    <td><input type="button" value="7" onclick="dis('7')"/> </td>
    <td><input type="button" value="8" onclick="dis('8')"/> </td>
    <td><input type="button" value="9" onclick="dis('9')"/> </td>
    <td><input type="button" value="+" onclick="dis('+')"/> </td>
</tr>
<tr>
    <td><input type="button" value="." onclick="dis('.')"/> </td>
    <td><input type="button" value="0" onclick="dis('0')"/> </td>
    <td><input type="button" value="/" onclick="solve()"/> </td>
    <td><input type="button" value="*" onclick="dis('*')"/> </td>
</tr>
</table>
</body>
</html>
```

**OUTPUT:****Input given:****Result:**

18			
1	2	3	/
4	5	6	-
7	8	9	+
.	0	=	*

**Program-9(a)****Date:23-07-2022****Aim:** Develop and run a simple xml file.**Source code:**

```
<?xml version='1.0' encoding="UTF-8"?>
<!DOCTYPE student[
    <!ELEMENT student (name,regd,address)>
    <!ELEMENT name (#PCDATA)>
    <!ELEMENT regd EMPTY>
    <!ATTLIST regd id CDATA "401">
    <!ELEMENT address (dno,city,street)>
    <!ELEMENT dno (#PCDATA)>
    <!ELEMENT city (#PCDATA)>
    <!ELEMENT street (#PCDATA)>]>
<student>
    <name>sri</name>
    <regd id="507"/>
    <address>
        <dno>1-49</dno>
        <city>Hyderabad</city>
        <street>kukatpally</street>
    </address>
</student>
```

## OUTPUT:

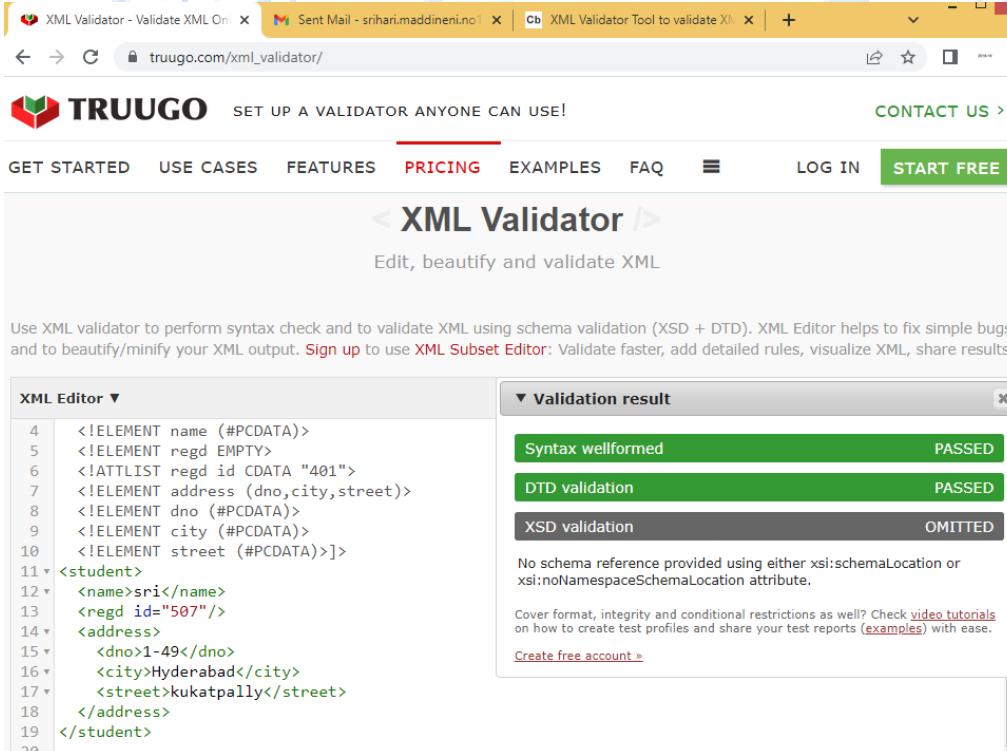


This XML file does not appear to have any style information associated with it.

```

▼<student>
  <name>sri</name>
  <regd id="507"/>
  ▼<address>
    <dno>1-49</dno>
    <city>Hyderabad</city>
    <street>kukatpally</street>
  </address>
</student>
```

## Xml validation:



The screenshot shows the Truugo XML Validator tool interface. On the left, there is an 'XML Editor' pane displaying the XML code. On the right, there is a 'Validation result' pane showing the validation status for Syntax wellformed (PASSED), DTD validation (PASSED), and XSD validation (OMITTED). A message indicates that no schema reference was provided.

Validation Result	Status
Syntax wellformed	PASSED
DTD validation	PASSED
XSD validation	OMITTED

**Program-9(b)****Date:23-07-2022****AIM:** Develop a xml and external dtd file.**SOURCECODE:****External.xml:**

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE student SYSTEM "stu.dtd">
<student>
    <name>apple</name>
    <regd id="507"/>
    <address>
        <dno>1-49</dno>
        <city>ongole</city>
        <street>journalist street</street>
    </address>
</student>
```

**stu.dtd file:**

```
<!ELEMENT student (name,regd,address)>
    <!ELEMENT name (#PCDATA)>
    <!ELEMENT regd EMPTY>
    <!ATTLIST regd id CDATA "401">
    <!ELEMENT address (dno,city,street)>
    <!ELEMENT dno (#PCDATA)>
    <!ELEMENT city (#PCDATA)>
    <!ELEMENT street (#PCDATA)>
```

## OUTPUT:

### Xml validation:



The screenshot shows a web browser window with three tabs open. The active tab is 'truugo.com/xml\_validator/'. The page header includes the Truugo logo, the tagline 'SET UP A VALIDATOR ANYONE CAN USE!', and navigation links for 'GET STARTED', 'USE CASES', 'FEATURES', 'PRICING' (which is highlighted in red), 'EXAMPLES', 'FAQ', 'LOG IN', and 'START FREE'. Below the header, the title 'XML Validator' is displayed with a left arrow and right arrow icon. A sub-header says 'Edit, beautify and validate XML'. A message encourages users to use the XML validator for syntax check and schema validation. It also mentions 'Sign up to use XML Subset Editor'. The main content area is divided into two sections: 'XML Editor' on the left and 'Validation result' on the right. The XML Editor contains the following code:

```
4  <!ELEMENT name (#PCDATA)>
5  <!ELEMENT regd EMPTY>
6  <!ATTLIST regd id CDATA "401">
7  <!ELEMENT address (dno,city,street)>
8  <!ELEMENT dno (#PCDATA)>
9  <!ELEMENT city (#PCDATA)>
10 <!ELEMENT street (#PCDATA)>]>
11 <student>
12 <name>sri</name>
13 <regd id="507"/>
14 <address>
15 <dno>1-49</dno>
16 <city>Hyderabad</city>
17 <street>kukatpally</street>
18 </address>
19 </student>
20
```

The Validation result section shows the following status indicators:

Validation Type	Status
Syntax wellformed	PASSED
DTD validation	PASSED
XSD validation	OMITTED

Below the status indicators, there is a note: 'No schema reference provided using either xsi:schemaLocation or xsi:noNamespaceSchemaLocation attribute.' and a link to 'video tutorials'.

**PROGRAM-10****Date:30-07-2022****AIM: Develop a xml and xsd files and validate them.****SOURCECODE:****Xmlfile:**

```
<?xml version="1.0"?>  
  
<student branch="it">  
    <name>apple</name>  
    <regd>y20ait470</regd>  
</student>
```

**Xsdfile:**

```
<?xml version="1.0"?>  
  
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">  
    <xs:element name="student">  
        <xs:complexType>  
            <xs:sequence>  
                <xs:element name="name" type="xs:string"/>  
                <xs:element name="regd" type="xs:string"/>  
            </xs:sequence>  
            <xs:attribute name="branch" type="xs:string"/>  
        </xs:complexType>  
    </xs:element>  
</xs:schema>
```

**OUTPUT:**

The screenshot shows a web-based XML validator interface. At the top, the title bar reads "Free Online XML Validator (XSD)". Below the title bar is a browser-style header with back, forward, search, and other navigation icons. The main content area has two sections: "XML data to validate" and "XML schema (XSD) data". The "XML data to validate" section contains the following XML code:

```
1 <?xml version="1.0"?>
2 <student branch="it">
3   <name>apple</name>
4   <regd>y20ait507</regd>
5 </student>
6
```

The "XML schema (XSD) data" section contains the following XSD code:

```
1 <?xml version="1.0"?>
2 <xss:schema xmlns:xss="http://www.w3.org/2001/XMLSchema">
3   <xss:element name="student">
4     <xss:complexType>
5       <xss:sequence>
6         <xss:element name="name" type="xss:string"/>
7         <xss:element name="regd" type="xss:string"/>
8       </xss:sequence>
9       <xss:attribute name="branch" type="xss:string"/>
10      </xss:complexType>
11    </xss:element>
12  </xss:schema>
13
```

Below the schema is a "Validate" button. A green banner at the bottom of the page says "Document Valid". At the very bottom, there is a cookie consent message from Liquid Technologies.