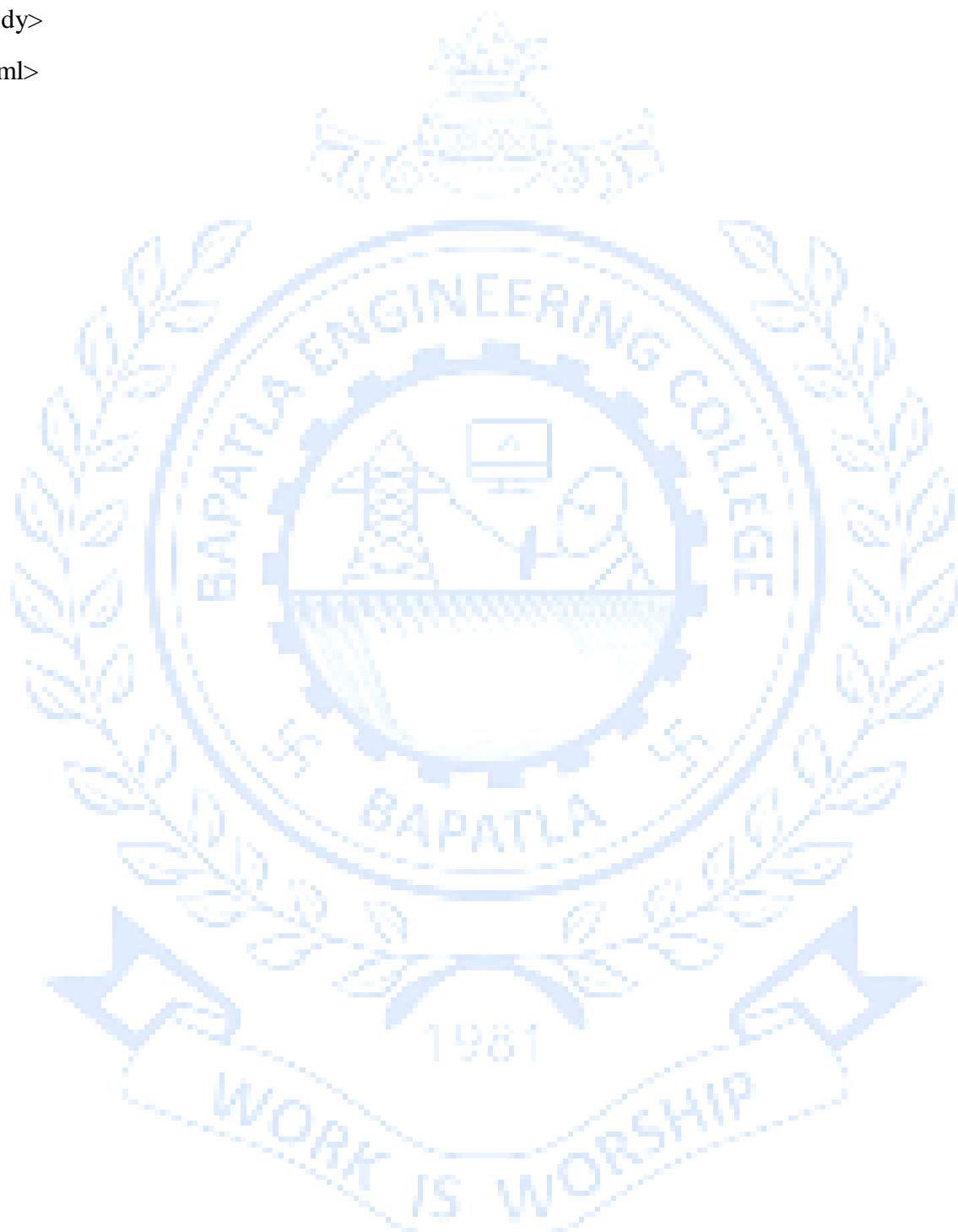


**PROGRAM 1-(a)****Date:09-04-2022****AIM:** Demonstrate all the basic tags in html file for formatting tags.**SOURCE CODE:**

```
<!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

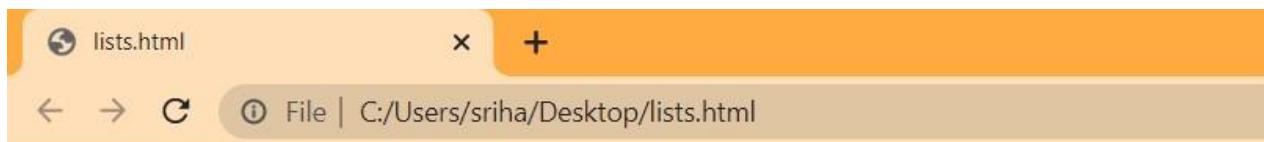
#### **logical tags**

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							
u.e.f : 28-03-2022	Class : II B.Tech, IT		Section : A	Room No RPLH - 03			
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					
u.e.f : 28-03-2022		Class : II B.Tech, IT	Section : A	Room No RPLH - 03			
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:**

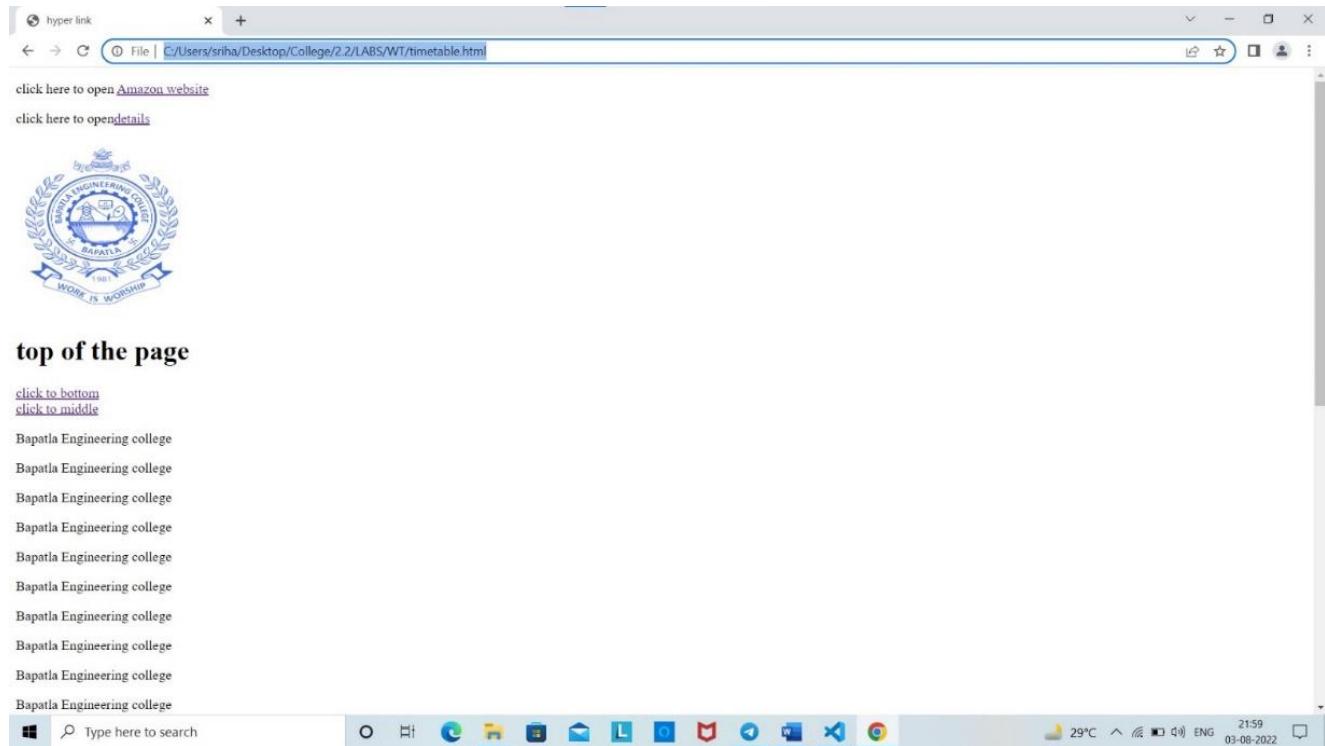
```
<!DOCTYPE html>
<html>
<body>
<title> hyper link</title>

<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:**

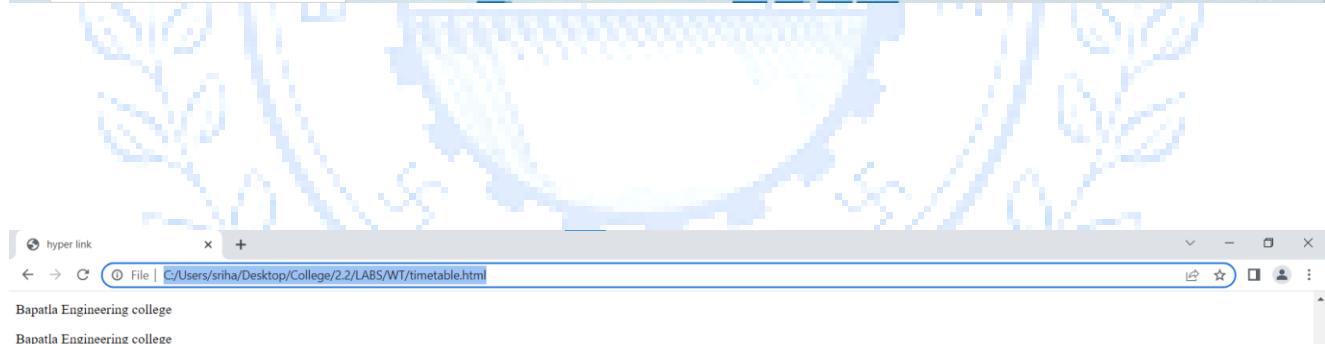
### **Web page before clicking on links:**



#### **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 active tab displays the homepage of Bapatla Engineering College (Autonomous). The page has a yellow header bar with the college's name and logo. Below this is a red banner featuring the college's name, logo, and the text "AFFILIATED TO ACHARYA NAGARJUNA UNIVERSITY". The banner also highlights "1250+ PLACEMENTS" and "100% PLACEMENTS". On the left side, there are sections for "COURSES OFFERED" (B.Tech: Civil, CSE, ECE, EEE, IT, Mech., Diploma: CIVIL,CSE,ECE,EEE, Mech.), "MERIT SCHOLARSHIP" (Worth of 1 Crore), and "FACILITIES" (In-Campus Girls Hostel, Bus Facility from Panamaram, Gopalpur, Ponnampetipudi, Future Research, State-of-the-art laboratories). On the right, there is a section for "PG COURSES OFFERED" (M.Tech: Civil, CSE, ECE, EEE, Mech., M.Sc (Chemistry, Maths, Physics), M.C.A.). A sidebar on the right lists other Bapatla educational institutions: Bapatla College of Arts & Sciences (ESTD: 1963), Bapatla Engineering College (ESTD: 1981), Bapatla Public School (ESTD: 1987), Bapatla Junior College (ESTD: 1984), Bapatla College of Pharmacy (ESTD: 1995), Bapatla Polytechnic College (ESTD: 2001), and Bapatla Women's Engineering College (ESTD: 2008). Below the main content area, there are two boxes: one for "Mission" (Our Mission is to impart the quality education at par with global standards to the students from all over India and in particular those from the local and rural areas. We continuously try to maintain high standards so as to make them technologically competent and ethically strong individuals who shall be able to improve the quality of life and economy of our country.) and one for "Vision" (To build centers of excellence, impart high quality education and instill high standards of ethics and professionalism through strategic efforts of our dedicated staff, which allows the college to effectively adapt to the ever changing aspects of education). At the bottom, there are sections for "Recent News" and "Recent Events".

## 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

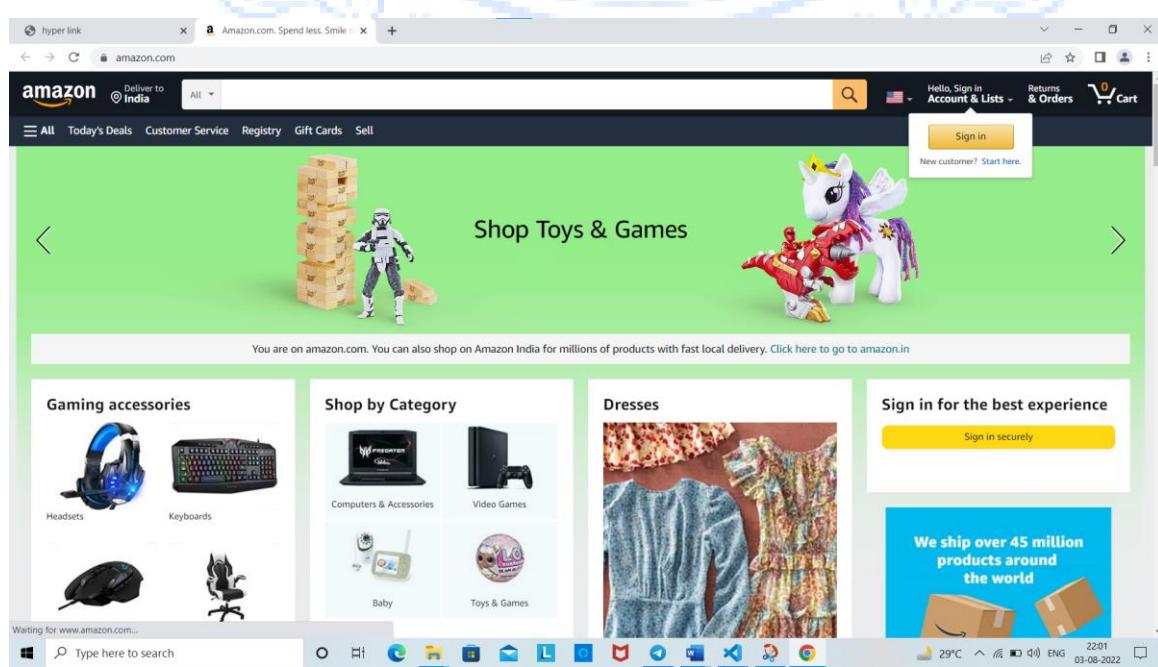
enterkey to execute the application

<!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>lists</title>
  </head>
  <body>
    <h1> lists </h1>
    <p>lists are used with &lt;ol&gt; or &lt;ul&gt; which describes the list is whether ordered or unordered</p>
    <p>ordered lists of days in a week</p>
    <ol>
```

```
<li>sunday</li>
<li>monday</li>
<li>tuesday</li>
<li>wednesday</li>
</ol>
</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&lta 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 1 2 3 4 5 6 7 8 9    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

**Bapatla Engineering College**

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

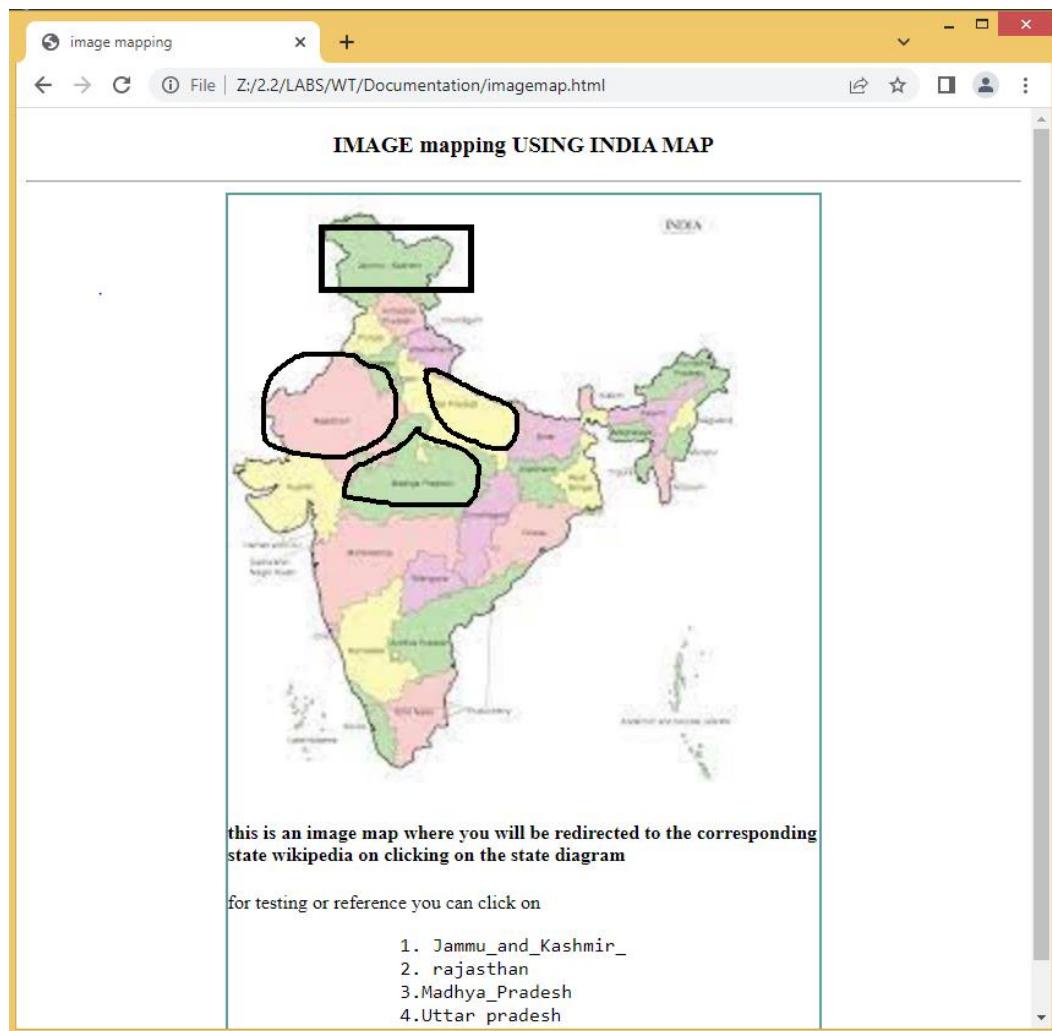


**PROGRAM-2(C)****Date:30-04-2022****AIM:** Demonstrate all the basic tags in html5 for Image map creation.**SOURCE CODE:**

```
<!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

For the film, see [Rajasthan \(film\)](#). For other uses, see [Rajasthan \(disambiguation\)](#).

**Rajasthan** (Hindi: [ra dʒes t̪a n̪]; Ilt. 'Land of Kings')<sup>[9][10][11]</sup> is a state in northern India.<sup>[9][10][11]</sup> 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<sup>[12]</sup> 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<sup>[13]</sup> – 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).<sup>[14]</sup> Rajasthan ranks 29th among Indian states in human development index.<sup>[8]</sup>

**Rajasthan**

State

On clicking on area Rajasthan:

## On clicking on area Madhya Pradesh:

**Madhya Pradesh**

From Wikipedia, the free encyclopedia

**Madhya Pradesh** ( /mədʒəˈprædʒ/; Hindi: [mɛdʒ̥ə prædʒ̥] (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>

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**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 light blue background 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.

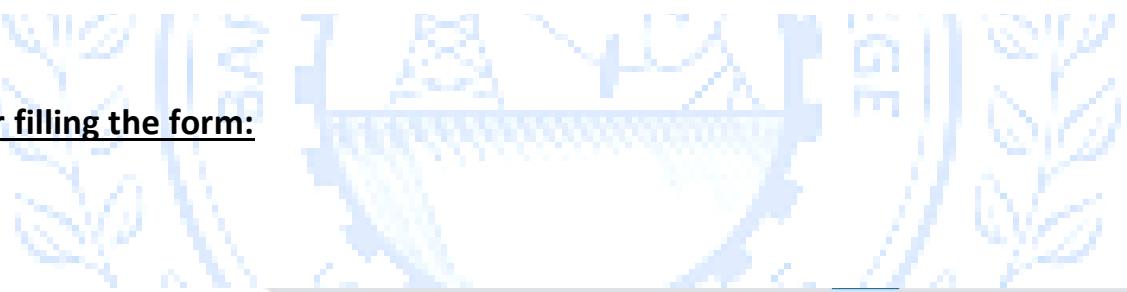
**SOURCECODE:**

```
<!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:

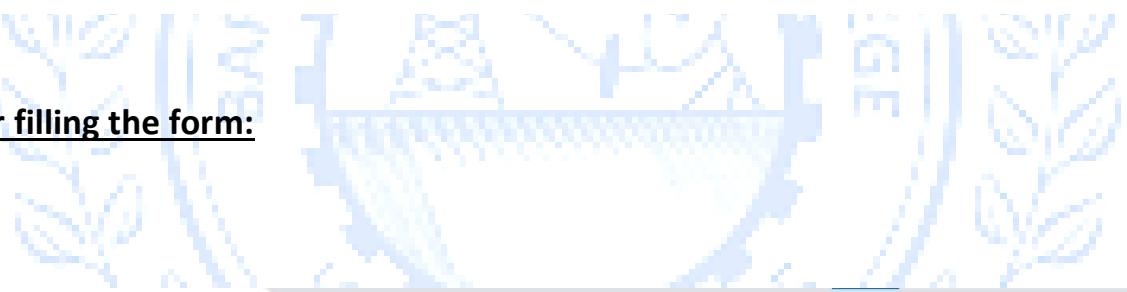
Address:

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;

}

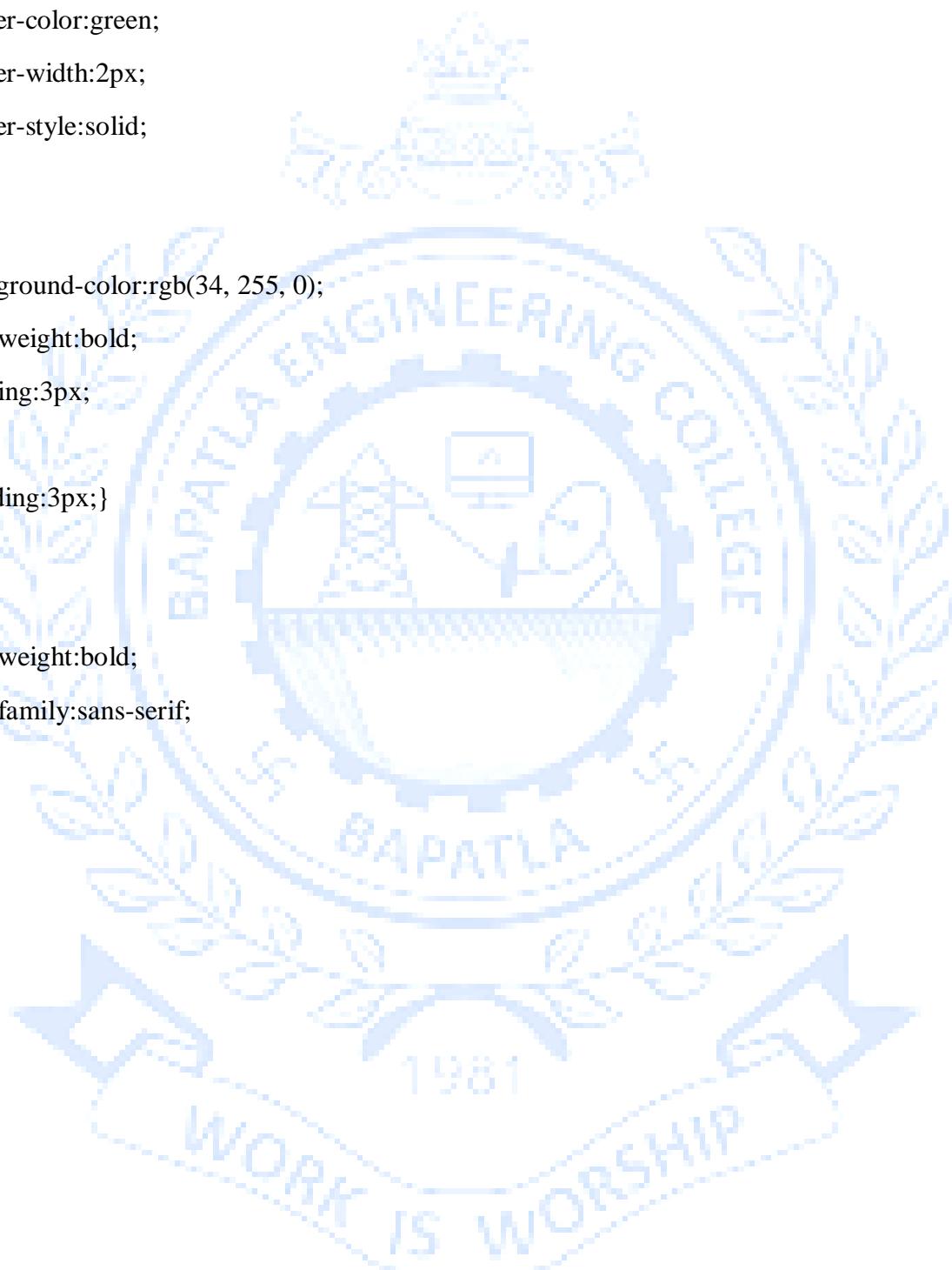
td{padding:3px; }

td.code{

font-weight:bold;

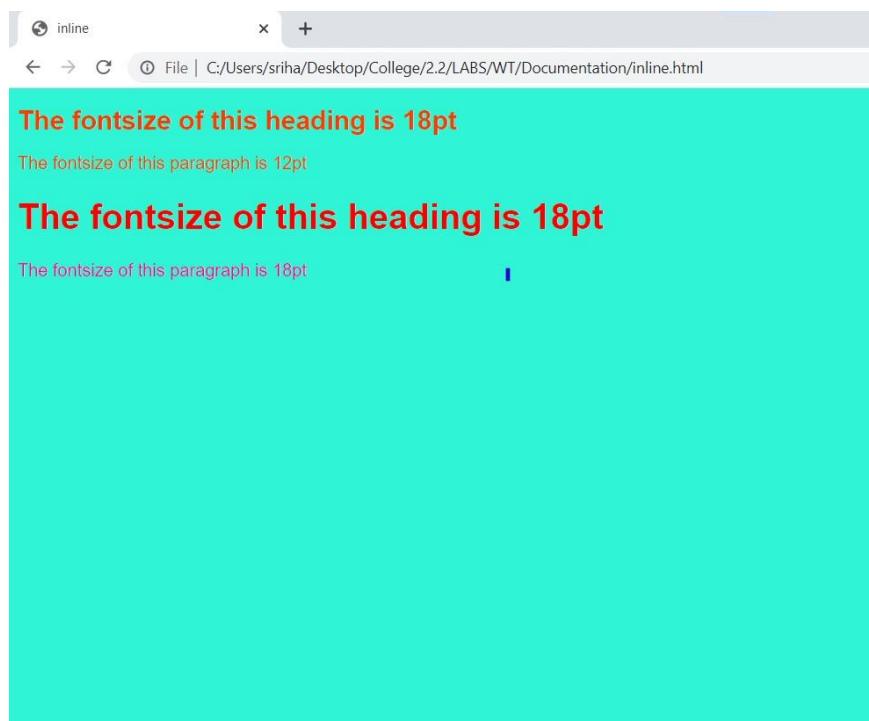
font-family:sans-serif;

}
```

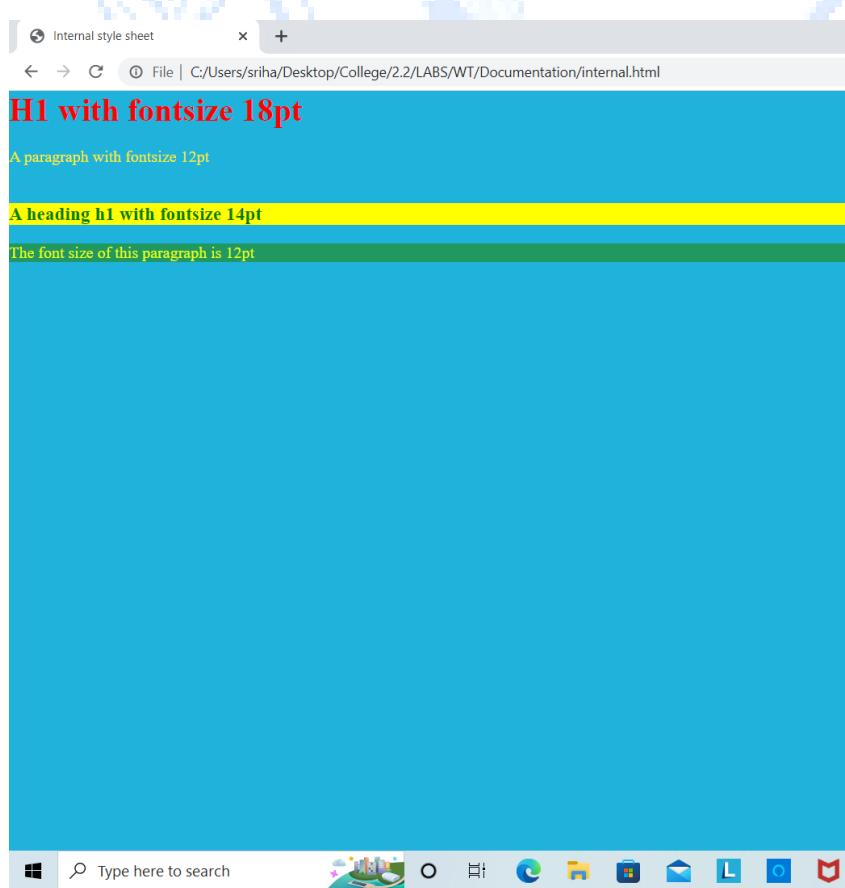


## **OUTPUT:**

### **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:**

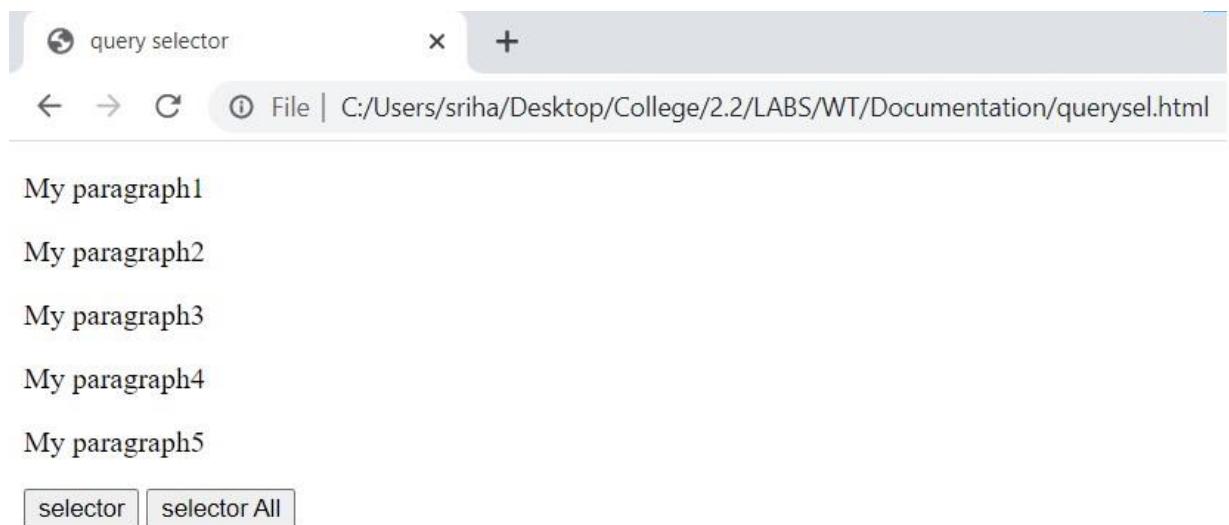
```
<!DOCTYPE HTML>

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

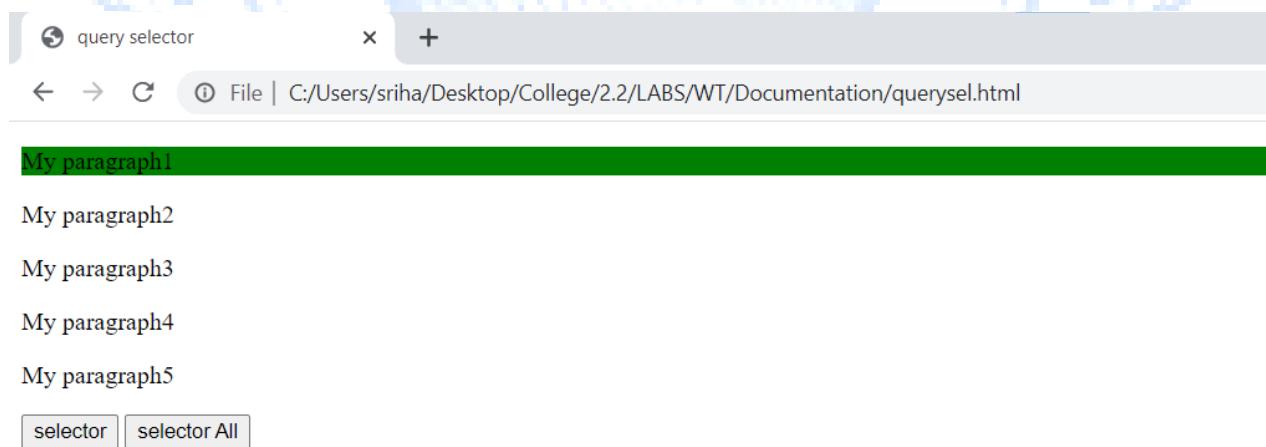
            function qselall()
            {
                list=document.querySelectorAll("p");
                for(var i=0;i<list.length;i++)
                {
                    list[i].style.background="red";
                }
            }
        </script>
    </head>
    <body>
        <p>My paragraph1</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:**

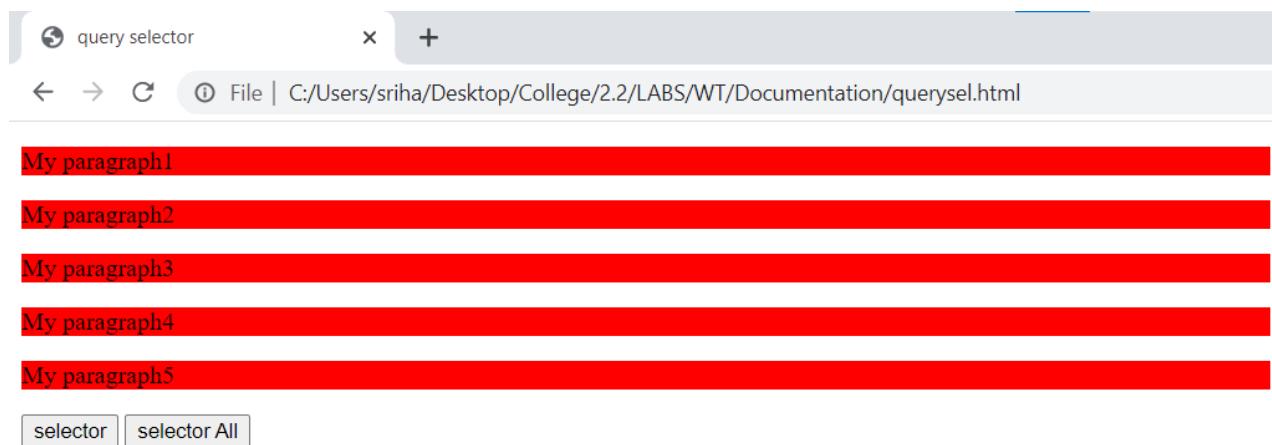
### **Before buttons clicked:**



### **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.backgroundColor="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.backgroundColor="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 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



This page says  
mouse out happened

OK

ON DOUBLE CLICK

ON DRAG

ON CLICK



on mouse move



on mouseout

## 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



This page says  
mouse moved over image

OK

ON DOUBLE CLICK

ON DRAG

ON CLICK



on mouse move



on mouseout

**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:**

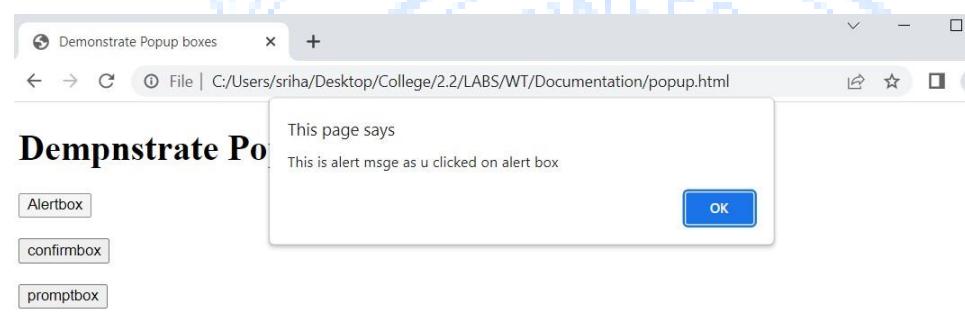
```
<!DOCTYPE html>
<html>
    <head>
        <title>Demonstrate Popup boxes</title>
        <script type="text/javascript">
            function al(){
                alert("This is alert msge as u clicked on alert box");
            }
            function cnf(){
                confirm("Are you sure 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:**

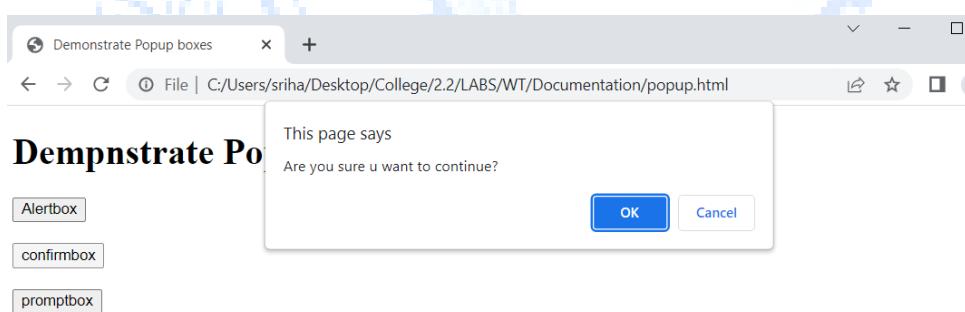
### **Before popup boxes activated:**



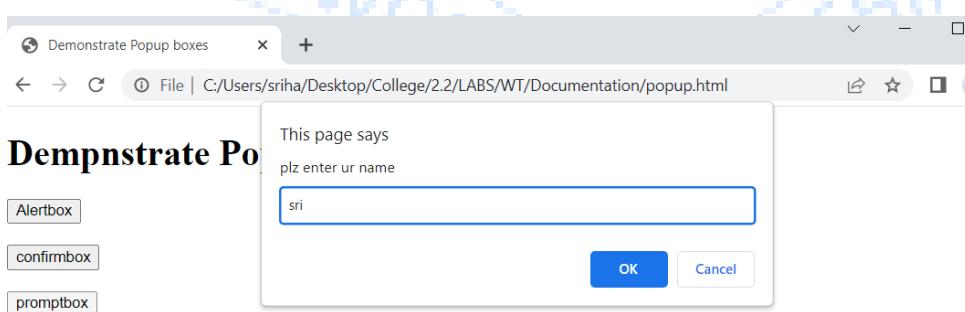
### **Alert box:**



### **Confirm box:**



### **Prompt box:**



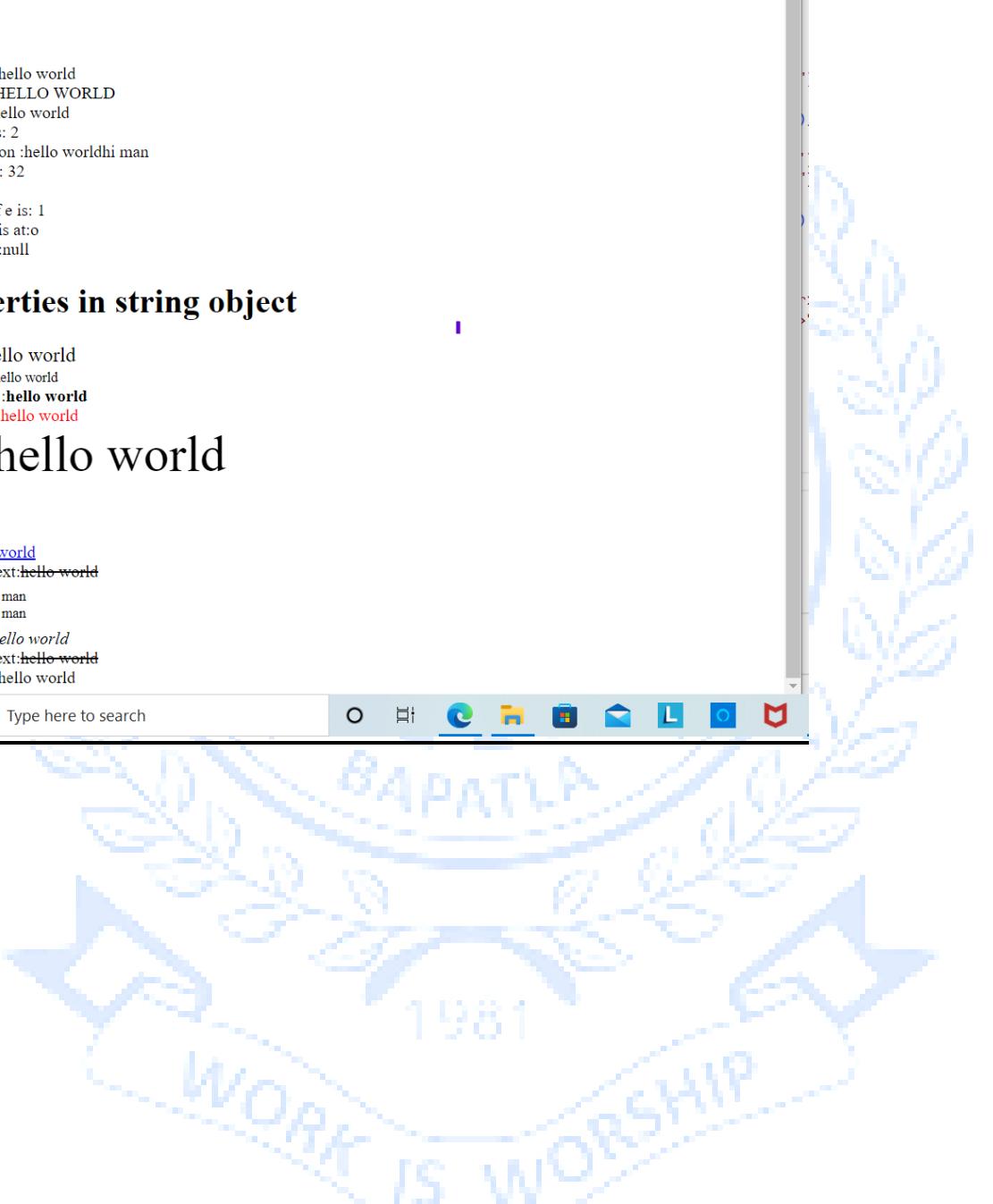
your name is :sri

**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:**



js demo 3    +  
← → C File | C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/jsstrings.html  
**methods in string object**

```
replace hel with hi :hilo world
search: -1
0
6
slice: llo
lowercase :hello world
uppercase:HELLO WORLD
valueof s :hello world
index of l is: 2
concatanation :hello worldhi man
charcode at: 32
char at:w
last indexof e is: 1
match of o is at:0
match of p :null
```

**properties in string object**

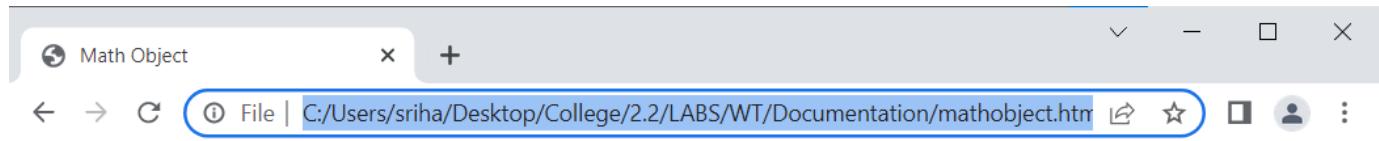
```
big size: hello world
small size:hello world
bold letters :hello world
font color : hello world
font size : hello world
null

Link:hello world
strike-out text:hello world
subscript:hi man
superscript:hi man
Italic text:hello world
strike-out text:hello world
Text Blink:hello world
```

Type here to search

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

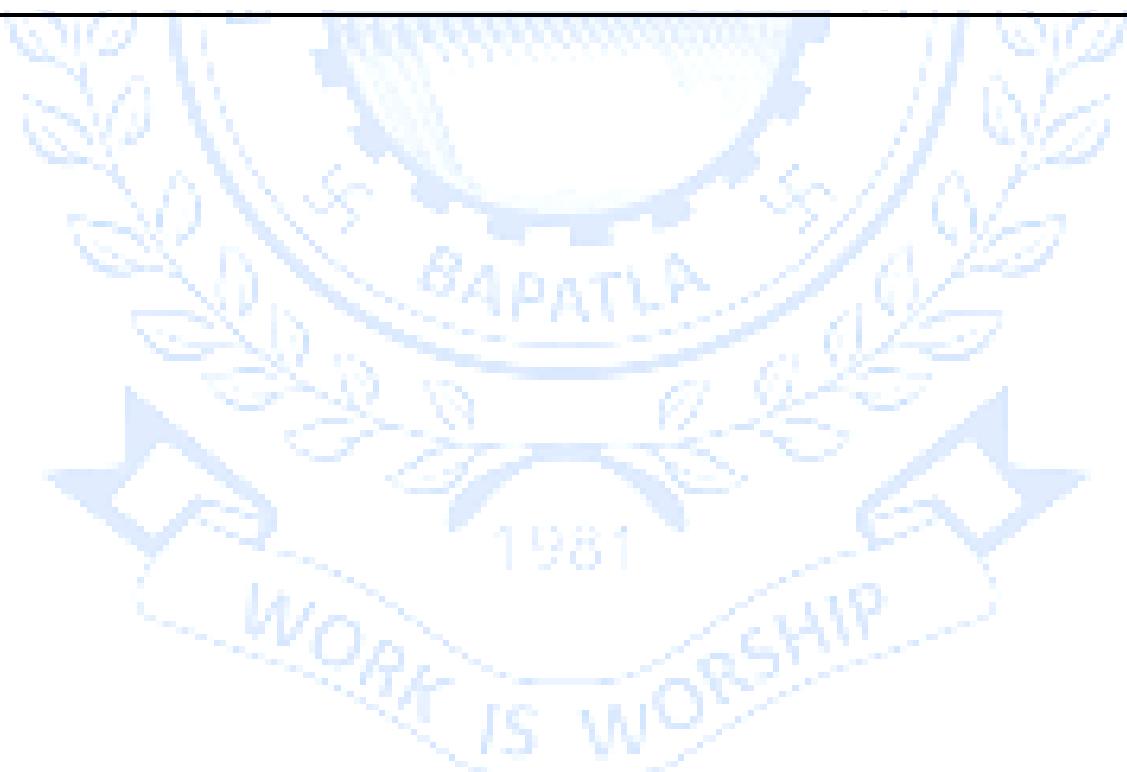
```
<!DOCTYPE html>
<html>
  <head>
    <title> Math Object</title>
  </head>
  <body >
    <script type="text/javascript">
      document.write("<h2>Math object properties</h2>");
      document.write("Euler's number E:"+Math.E);
      document.write("<br>natural logarithmic of 2:"+Math.LN2);
      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**

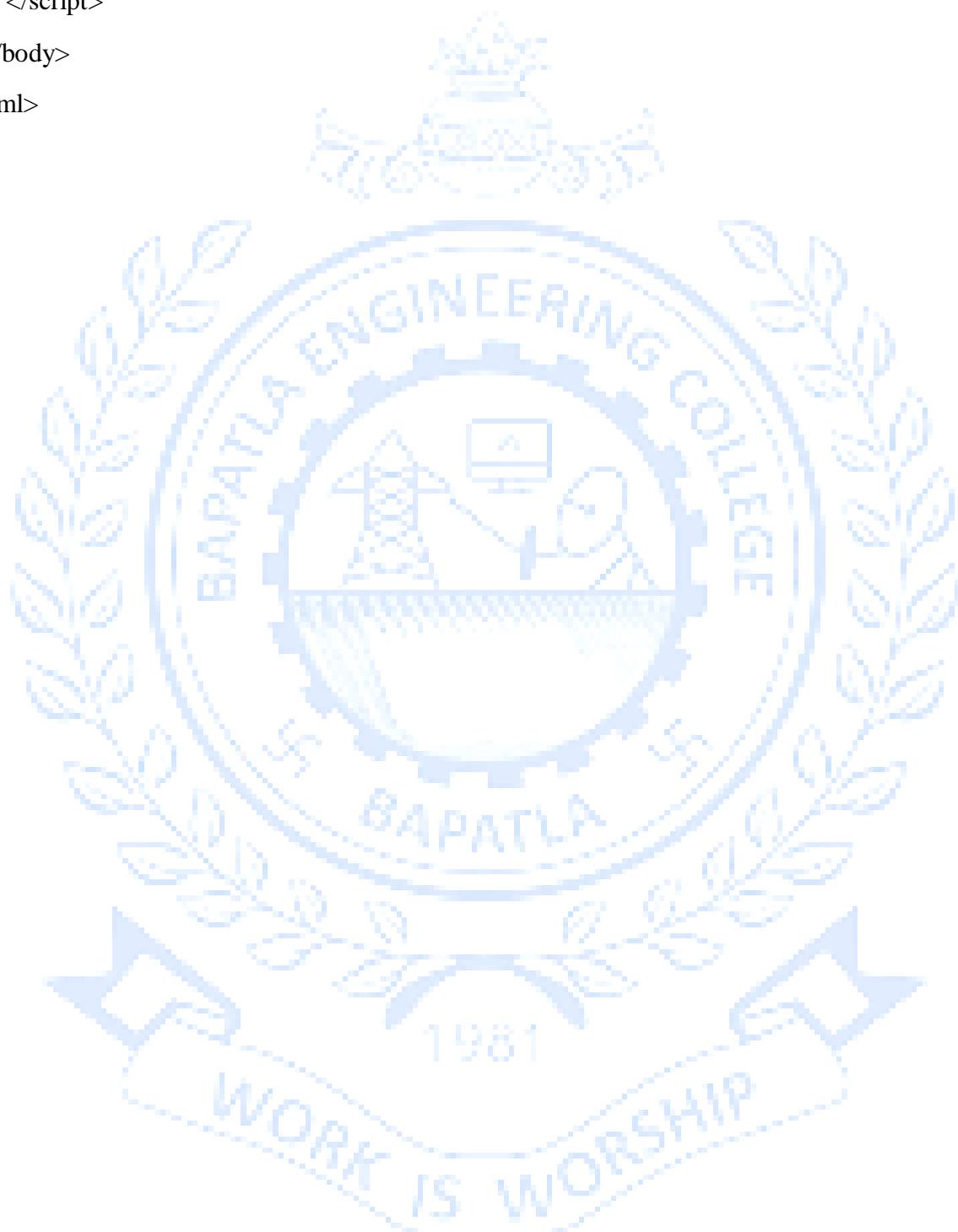
absolute value of pi:3.141592653589793  
natural logarithm of 20:2.995732273553991  
max value among (5,6,7,8,9):9  
min value among (5,6,7,8,9):5  
the value of S to the power of 2:25  
random number between 0 and 1:0.3384480154621097  
square root of 16:4



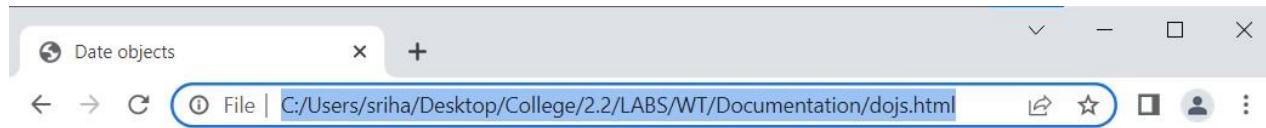
**Program-6(c)****Date:02-07-2022****Aim:** Write a javascript program to demonstrate the Date object.**Source code:**

```
<!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>
```

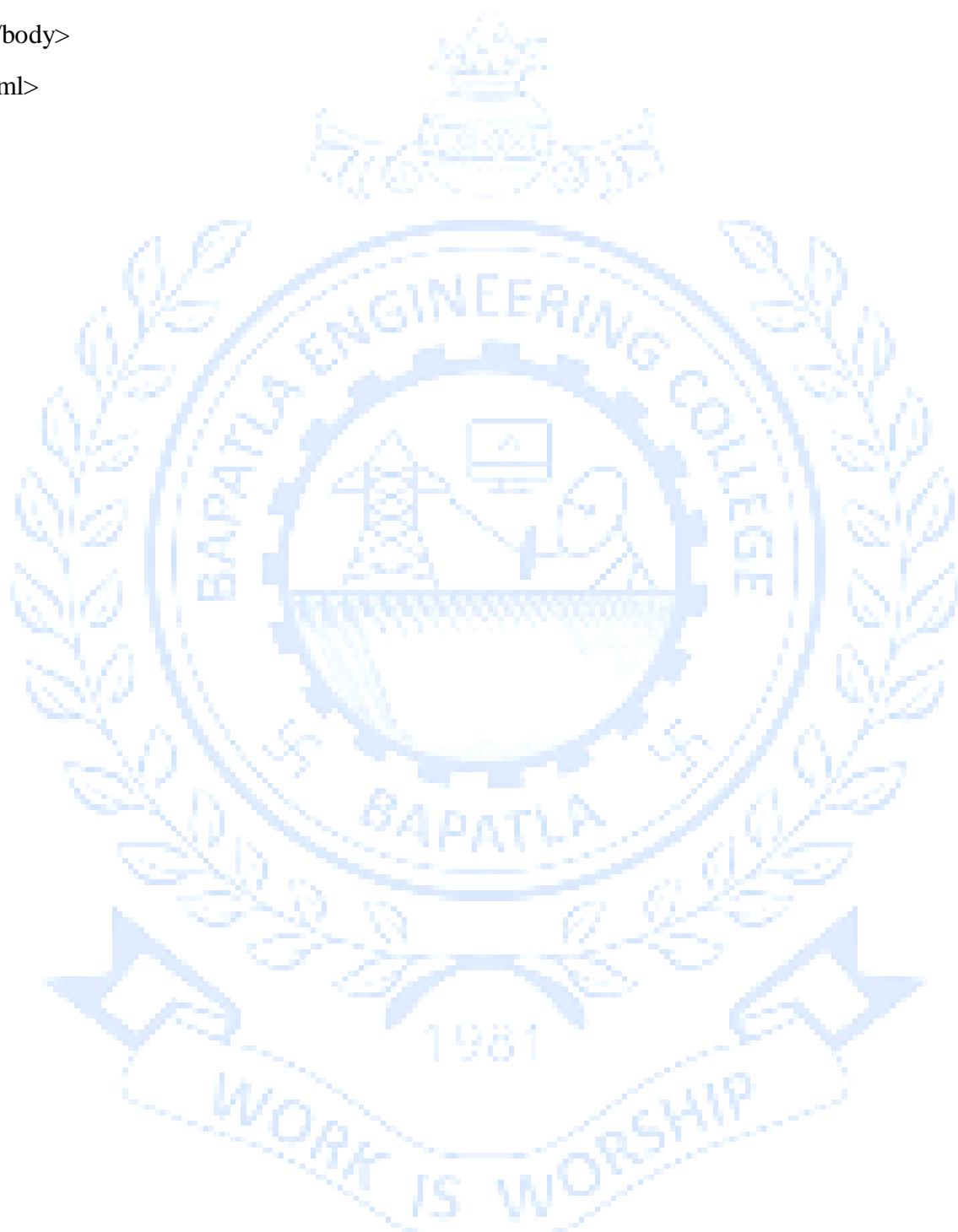
```
document.write("<br><u>outerheight:</u> height of the browser  
window,including toolbars/scrollbars:"+window.outerHeight);
```

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

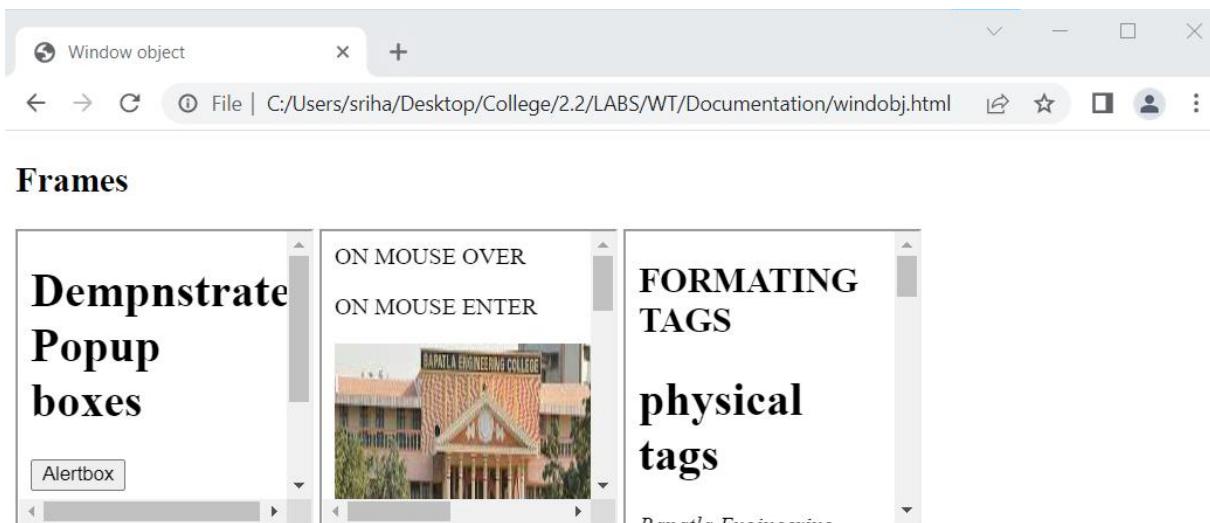
```
</script>
```

```
</body>
```

```
</html>
```



## Output:



### window object methods

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

### window object properties

Number of Frames Used are:3

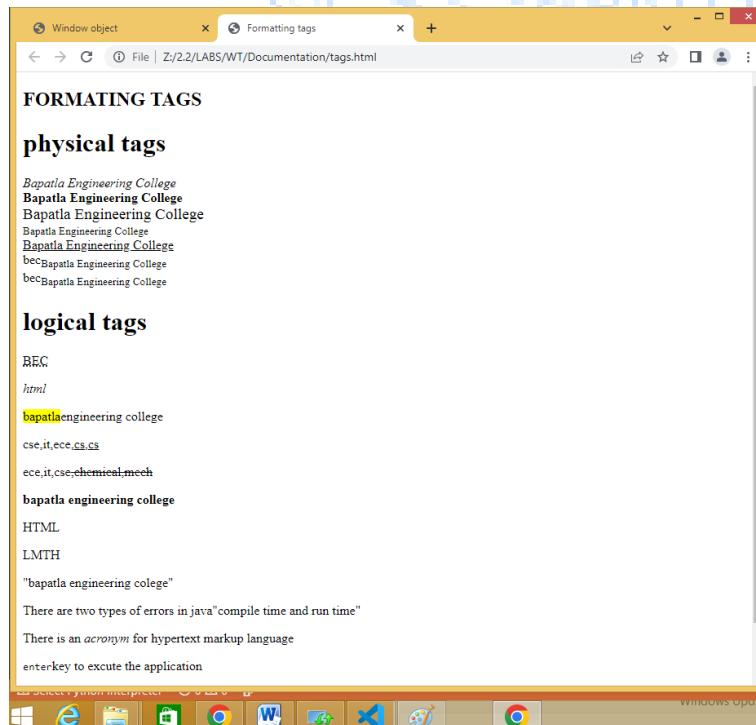
Innerheight: height of the windows content area(viewport)including scrollbars:754

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 web browser window. The title bar says "Document Object". The address bar shows the file path: "C:/Users/sriha/Desktop/College/2.2/LABS/WT/Documentation/docob.html". Below the address bar, there are standard browser controls: back, forward, and refresh. The main content area of the browser displays two images side-by-side.

### 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

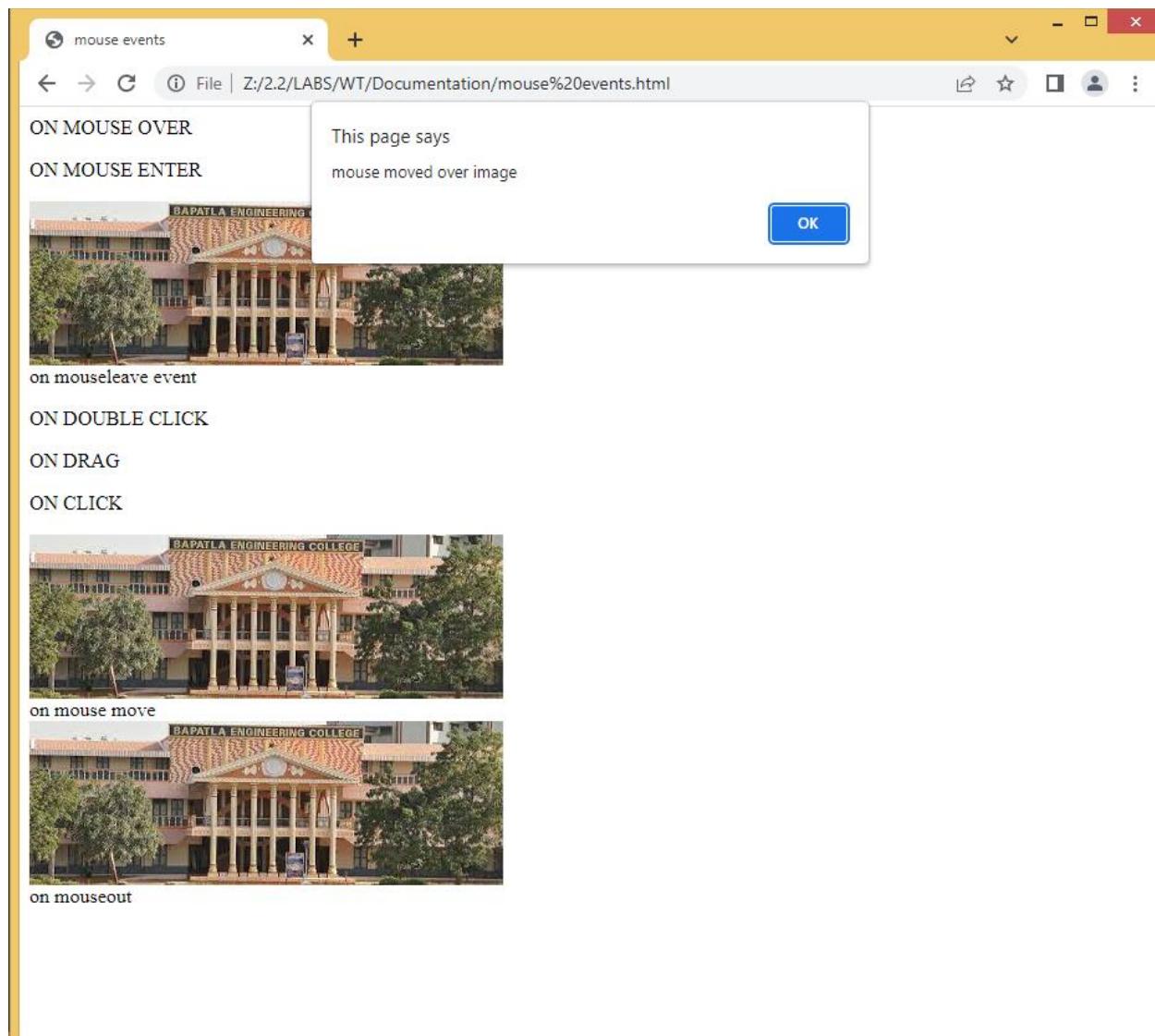
lastmodified of docuemnt:08/05/2022 08:37:56

### On clicking open document:

A screenshot of a browser window. The title bar says "Document Object". The address bar shows the URL "about:blank". Below the address bar, there are standard browser controls: back, forward, and refresh. The main content area of the browser 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">

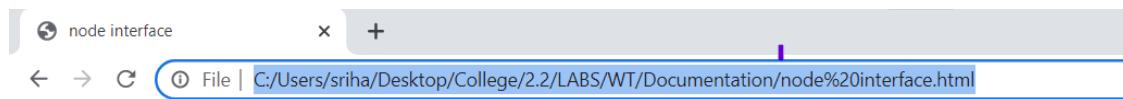
<h2>Node interface methods</h2>

<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](#)

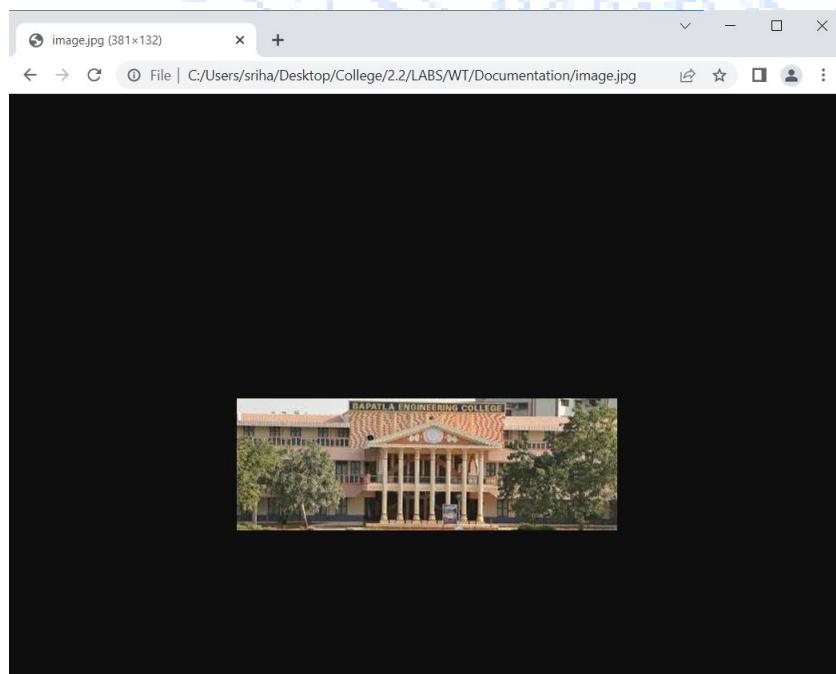
### **After creating a node:**



### **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:**

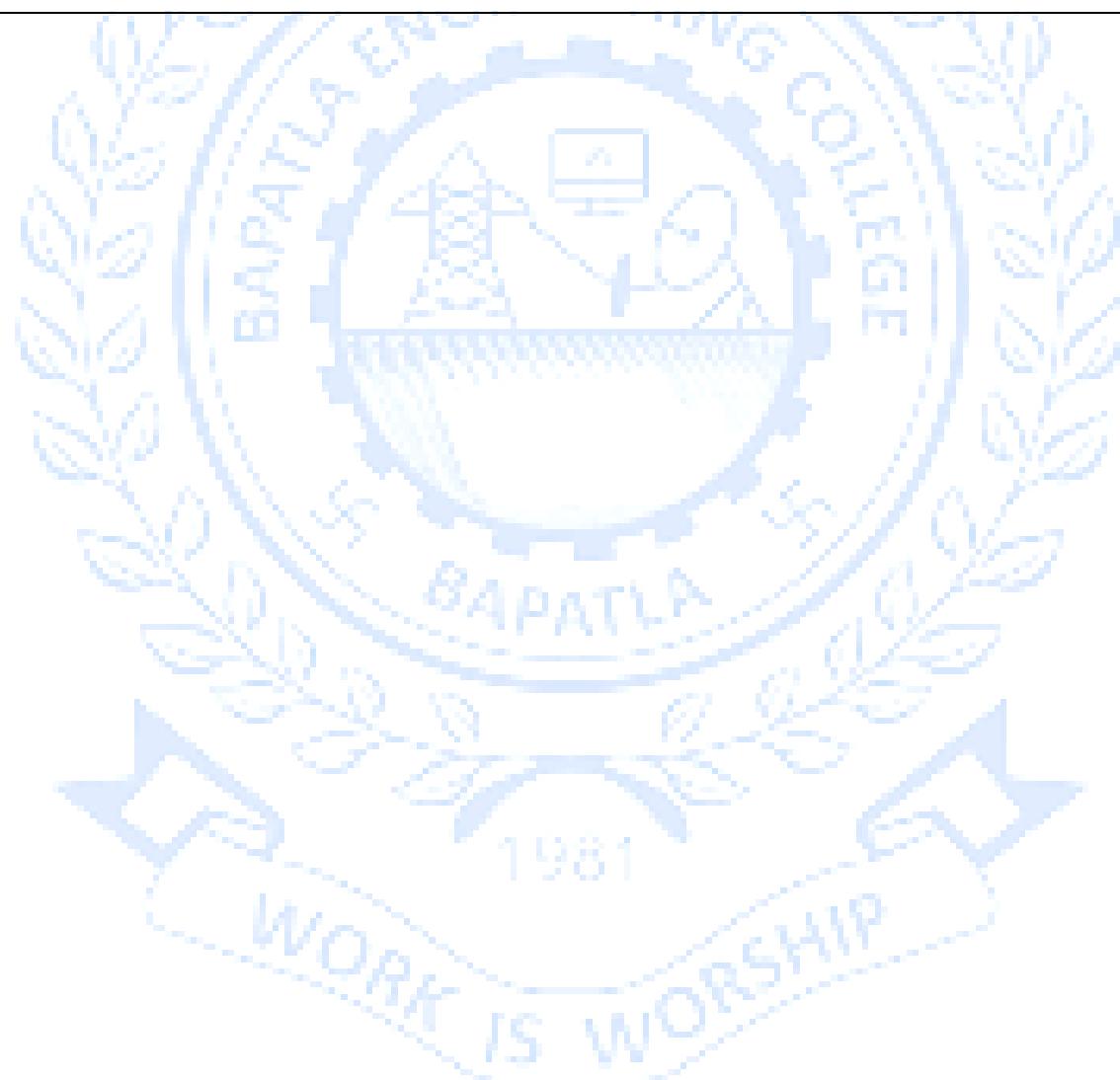


### **Node interface methods**

[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

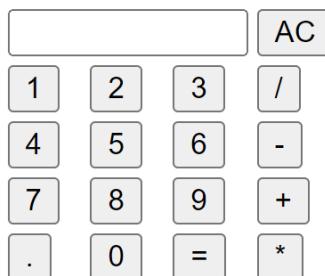
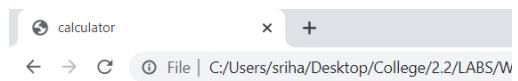
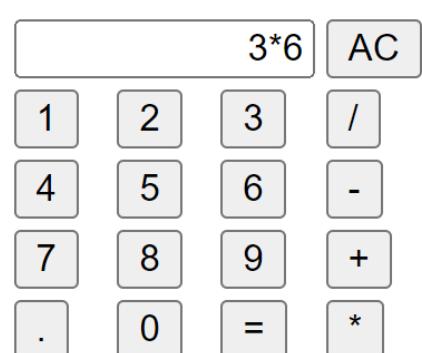
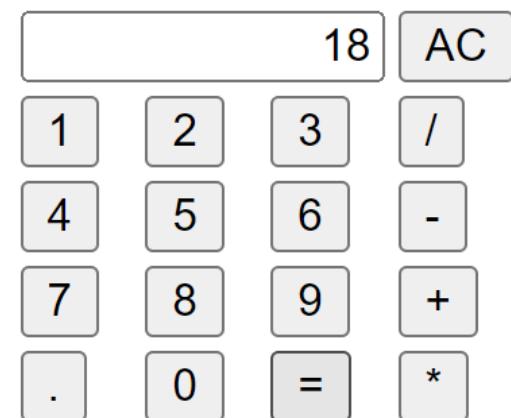
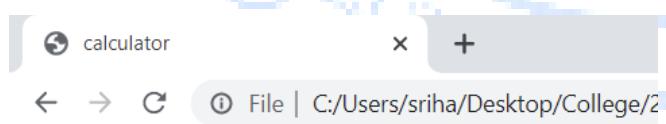


**Program-8(ii)****Date:16-07-2022****Aim:** Develop simple web application calculator**Source code:**

```
<!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:**

**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:

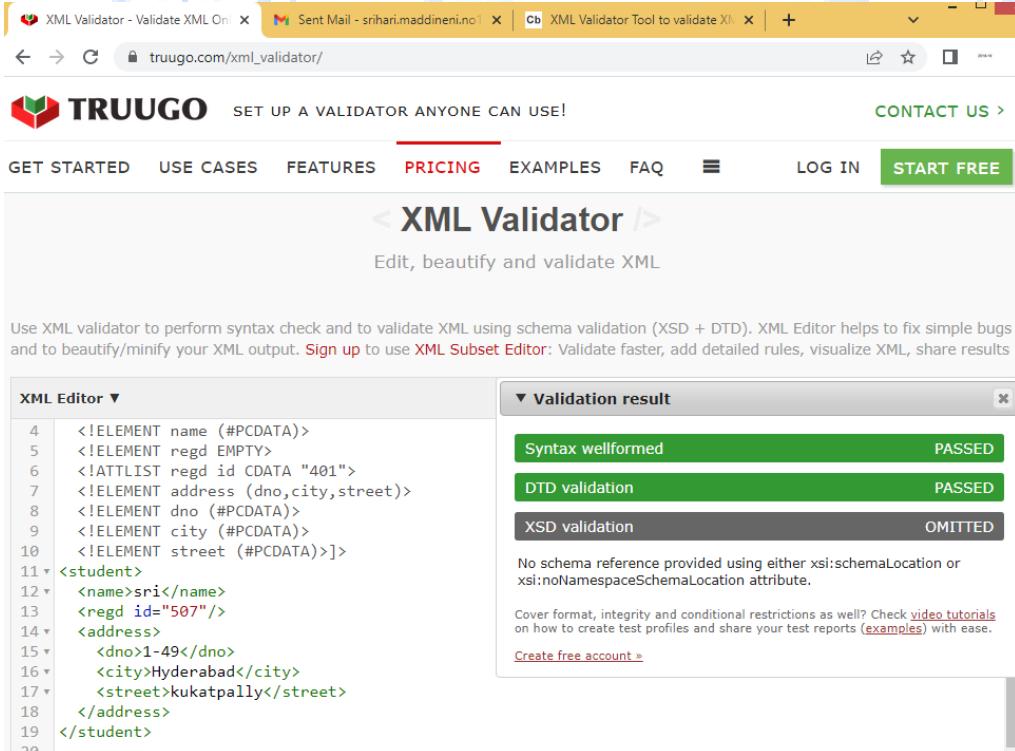


This XML file does not appear to have any style information associated with it.

```

▼<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, a large title '**< XML Validator >**' is displayed, followed by the subtext 'Edit, beautify and validate XML'. A descriptive paragraph explains the tool's purpose: 'Use XML validator to perform syntax check and to validate XML using schema validation (XSD + DTD). XML Editor helps to fix simple bugs and to beautify/minify your XML output. [Sign up](#) to use [XML Subset Editor](#): Validate faster, add detailed rules, visualize XML, share results'. On the left, the 'XML Editor' pane displays the following XML 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
```

On the right, the 'Validation result' pane shows the following status summary:

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

Below the status summary, there is a note: 'No schema reference provided using either xsi:schemaLocation or xsi:noNamespaceSchemaLocation attribute.' and a link: 'Cover format, integrity and conditional restrictions as well? Check [video tutorials](#) on how to create test profiles and share your test reports ([examples](#)) with ease.' There is also a link to 'Create free account'.

**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.