EXPERIMENT NO 5

AIM: Understanding frames, tags and attributes.

SOFTWARE USED: VS Code Compiler

THEORY:

HTML Frames are used to divide the web browser window into multiple sections where each section can be loaded separately. A frameset tag is the collection of frames in the browser window. The window is divided into frames in a similar way the tables are organized: into rows and columns. Frame tags and attributes are:

- src **-** This attribute is used to give the file name that should be loaded in the frame. Its value can be any URL.

- name **-** This attribute allows to give a name to a frame. It is used to indicate which frame a document should be loaded into.

- frameborder **-** This attribute specifies whether or not the borders of that frame are shown.

- marginwidth **-** This attribute allows us to specify the width of the space between the left and right of the frame's borders and the frame's content. The value is given in pixels.

- marginheight **-** This attribute allows us to specify the height of the space between the top and bottom of the frame's borders and its contents. The value is given in pixels.

- noresize **-** By default, we can resize any frame by clicking and dragging on the borders of a frame.

In HTML text Formatting we format text for better look of the page. HTML provides us ability to format text without using CSS with the help of many formatting tags in HTML. In HTML the formatting tags are divided into two categories i.e. Physical tag that are used to provide the visual appearance to the text and Logical tags that are used to add some logical or semantic value to the text. Some of them are:

- The HTML element is a physical tag which displays text in bold font i.e. If we write anything within .... element, is shown in bold letters.

- The HTML <i> element is physical element, which display the enclosed content in italic font, If we write anything within <i>........... </i> element, is shown in italic letters.

- The HTML <em> tag is a logical element, which will display the enclosed content in italic font, with added semantics importance.

- The HTML <mark> tag is used to mark text. If we want to mark or highlight a text in HTML, we should write the content within <mark>........</mark>.

- The HTML <u> tag displays that text is underlined. If we write anything within <u>........</u> element, is shown in underlined text.

- Anything written within <strike>......................</strike> element is displayed with strikethrough. It is a thin line which cross the statement.

- The <tt> tag is used for monospaced font. If we want that each letter has the same width then we should write the content within <tt>.............</tt> element.

- If we put the content within ^{..............} element, is shown in superscript; means it is displayed half a character's height above the other characters.

- If we put the content within _{..............} element, is shown in subscript ; means it is displayed half a character's height below the other characters.

HTML image <img> tag is used to display image on the web page. It is an empty tag that contains attributes only, closing tags are not used in HTML image element. Some of attributes include:

- src - t is a necessary attribute that describes the source or path of the image. It instructs the browser where to look for the image on the server.

- alt - The alt attribute defines an alternate text for the image, if it can't be displayed. The value of the alt attribute describes the image in words.

- width - It is an optional attribute which is used to specify the width to display the image.

- height: It is used to specify the height of the image.

- loading: It is used to specify whether a browser should defer the loading of images until some conditions are met or load an image immediately.

- border – It is used to specify border for an image. We can specify border thickness in terms of pixels using border attribute.

- align – In HTML, image will align at the left side of the page, we can use align attribute to set it in the center or right.
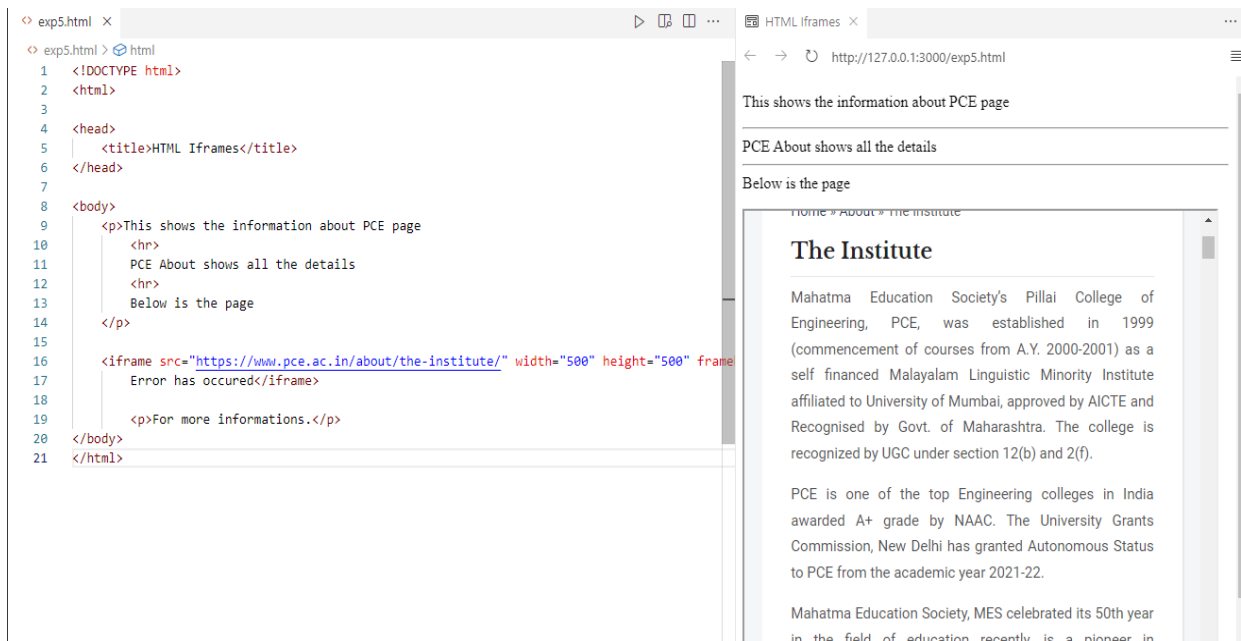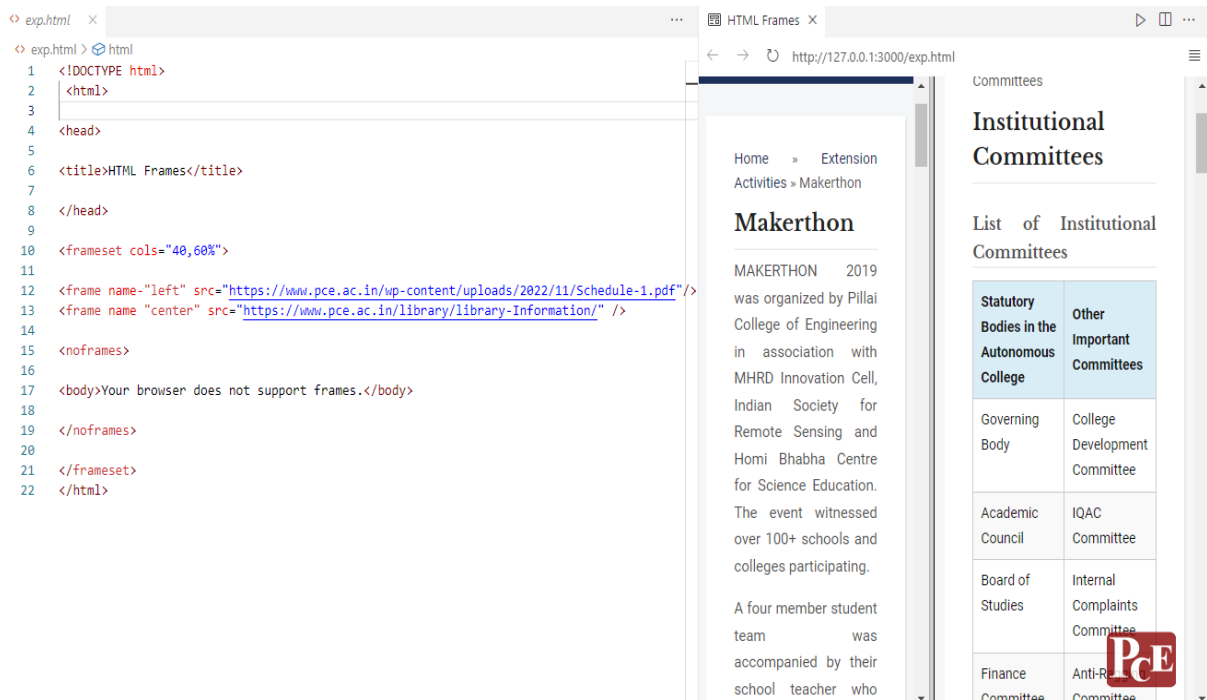
HTML Iframe is used to display a nested webpage (a webpage within a webpage). The <iframe> tag defines an inline frame; hence it is also called as an Inline frame. The attributes of iframe include:

- src **-** This attribute is used to give the file name that should be loaded in the frame. Its value can be any URL. For example, src = "/html/top_frame.htm" will load an HTML file available in html directory.

- name **-** This attribute allows you to give a name to a frame. It is used to indicate which frame a document should be loaded into.

- frameborder **-** This attribute specifies whether or not the borders of that frame are shown; it overrides the value given in the frameborder attribute on the <frameset> tag if one is given.

- marginwidth - This attribute allows you to specify the width of the space between the left and right of the frame's borders and the frame's content. The value is given in pixels. For example, marginwidth = "10".

- marginheight - This attribute allows you to specify the height of the space between the top and bottom of the frame's borders and its contents. The value is given in pixels.

- scrolling - This attribute controls the appearance of the scrollbars that appear on the frame. This takes values either "yes", "no" or "auto

- longdesc - This attribute allows you to provide a link to another page containing a long description of the contents of the frame.

CONCLUSION: Thus, we studied and implemented frames, iframes, images and their and attributes using VS Code Compiler.

Frame

Iframe

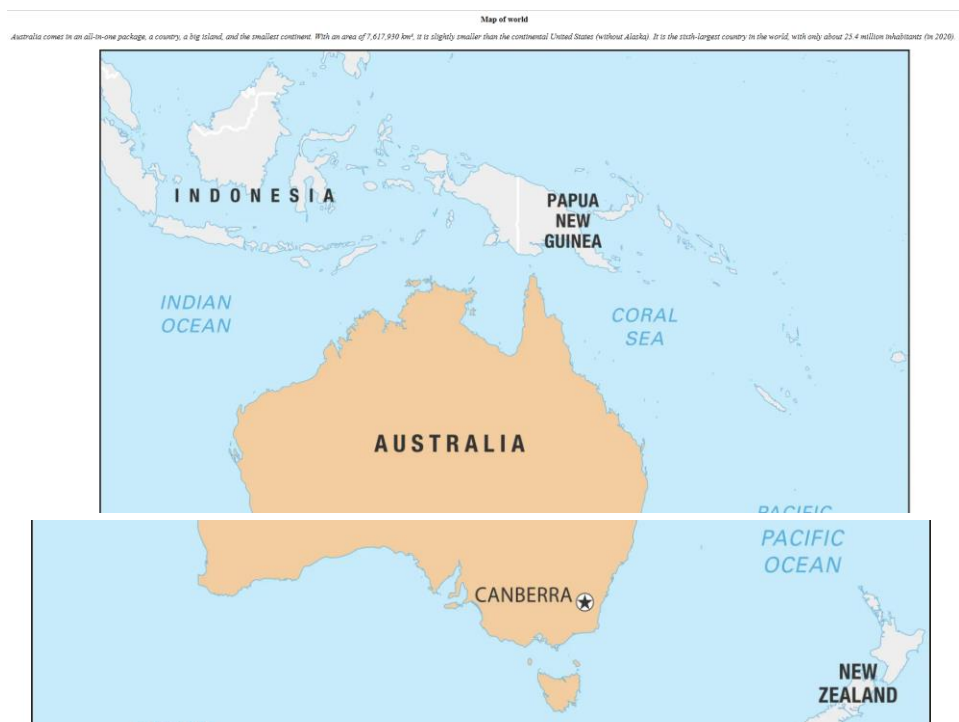

Image

```
</html>
<!DOCTYPE html>
<head>
    <title>Using Image in Webpage</title>
    </head>
    <body>
        <p><b><center> Map of world</center></b></p>
        <p><i>Australia comes in an all-in-one package, a country, a big island, and the smallest continent. With an area of 7,617,930 km
        <center><img src="https://cdn.britannica.com/86/183586-050-A05EF881/World-Data-Locator-Map-Australia.jpg" alt="Retry">
    </body>
</head>
```

Map of world

Australia comes in an all-in-one package, a country, a big island, and the smallest continent. With an area of 7,617,930 km², it is slightly smaller than the continental United States (without Alaska). It is the sixth-largest country in the world, with only about 25.4 million inhabitants (in 2020).

Text Formatting

```
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <title>Welcome</title>
5       </head>
6       <body>
7           <b>Course Available are:</b>
8           <b>AUTOMOBILE</b>
9           <hr>
10          <i>Electronics </i>
11          <hr>
12          <em>acOMPUTER SCIENCE</em>
13          <hr>
14          <small>MECHANICAL ENGINEERING</small>
15          <hr>
16          <del>eLECTRONICS AND TELECOMMUNICATION</del>
17          <hr>
18          <ins>Robotic engineering</ins>
19          <hr>
20          <p>Vijay<sub>v</sub>Yadav</p>
21          <hr>
22          <p>Vijay <sup>v</sup>Yadav</p>
23
24      </body>
25  </html>
```

Course Available are: AUTOMOBILE

Electronics

acOMPUTER SCIENCE

MECHANICAL ENGINEERING

~~eLECTRONICS AND TELECOMMUNICATION~~

Robotic engineering

Vijay$_v$Yadav

Vijay ^{v}Yadav

Frame

```html
<html>
    <head>
        <title>First page</title>                    </title>
    </head>
    <frameset cols="30%,70%">
        <frame src="f2.html">
            <frameset rows="50%,50%">
                <frame src="f3.html">
                    <frame src="f4.html">
                    </frameset>
            </frameset>
</html>
```

```html
<html>
    <head>
        <title></title>
    </head>
    <center>
        <body>
            <p>Branches</p>
            <ul>
                <li>Ecs</li>
            <li>ETRX</li>
        <li>MECHANICAL</li>
    <li>Automobile</li>
<li>cs</li>
            </ul>
            <p> Programming language</p>
            <ol>
                <li>Python</li>
                <li>C/C++</li>
                <li>ASP.NET</li>
                <li>HTML</li>
            </ol>
        </body>
        </center>
</html>
```

```html
<html>
    <head>
        <title></title>
        </head>
        <center>
            <body>
                <h1><b><i><u>WELCOME TO WEBSITE</u></i></b></h1>
                <P>BRANCHES AND PROGRAMMING LANGUAGE</P>
            </body>
        </center>
</html>
```

```html
<html>
    <head>
  <title>Account details</title>
 </head>
<center>
    <body>
    <table row="3" cols="3" border="1">
      <tr>
      <th>ID</th>
      <th>Profile_id</th>
      <th>ACCOUNT_JOINED  </th>
      </tr>
 <tr>
   <td>1</td>
   <td>45</td>
  <td>11<sup>th</sup>august 2008</td>
 </tr>
<tr>
     <td>2</td>
     <td>60</td>
   <td>18<sup>th</sup> NOVEMBER 1998</td>
   </tr>
  <tr>
   <td>3</td>
   <td>80</td>
  <td>19<sup>th</sup>DECEMBER 1995</td>
 </tr>
                        </table>
                    </body>
                </center>
</html>
```

Branches

- Ecs
- ETRX
- MECHANICAL
- Automobile
- cs

Programming language

1. Python
2. C/C++
3. ASP.NET
4. HTML

WELCOME TO WEBSITE

BRANCHES AND PROGRAMMING LANGUAGE

ID	Profile_id	ACCOUNT_JOINED
1	45	11th august 2008
2	60	18th NOVEMBER 1998
3	80	19th DECEMBER 1995