EXPERIMENT NO 07

AIM: Understanding of Media elements, Navigation tags and Attributes.

SOFTWARE USED: VS Code Compiler

THEORY:

Media Elements means the certain **photographs, clip art, shapes, animations, sounds, music and video clips** that are included within or may be made available by using the Software within the scope of the Grant.

Media Tags:
- **<audio>:** It is an inline element that is used to embed sound files into a web page.
- **<video>:** It is used to embed video files into a web page.
- **<source>:** It is used to attach multimedia files like audio, video, and pictures.
- **<embed>:** It is used for embedding external applications which are generally multimedia content like audio or video into an HTML document.
- **<track>:** It specifies text tracks for media components audio and video.

Advantage of Media tag:
- Plugins are no longer required
- `media` attribute Speed – anything naturally integrated into a browser will be rendered and executed in a faster fashion than imported third-party
- Native (built-in) controls are provided by the browser.
- Accessibilities (keyboard, mouse) are built-in automatically

Media attribute:

Elements	Attribute
<a>	media
<area>	media
<link>	media
<source>	media
<style>	media

Navigation tags:
The <nav> tag is used for declaring the navigational section in HTML documents. Websites typically have sections dedicated to navigational links, which enables users to navigate the site. These links can be placed inside a nav tag. In other words, the nav element represents a section of the page whose purpose is to provide navigational links, either in the current document or to another document. The links in the nav element may point to other webpages or to different sections of the same webpage. It is a semantic element. Common examples of the nav elements are menus, tables, contents, and indexes.
Syntax:
<nav> Links... </nav>

Navigation Attributes:

The <nav> tag also supports the Global Attributes in HTML.

Attribute	Description
accesskey	Specifies a shortcut key to activate/focus an element
class	Specifies one or more classnames for an element (refers to a class in a style sheet)
contenteditable	Specifies whether the content of an element is editable or not
data-*	Used to store custom data private to the page or application
dir	Specifies the text direction for the content in an element
draggable	Specifies whether an element is draggable or not
hidden	Specifies that an element is not yet, or is no longer, relevant
id	Specifies a unique id for an element

The <nav> tag also supports the Event Attributes in HTML.

Attribute	Value	Description
onafterprint	script	Script to be run after the document is printed
onbeforeprint	script	Script to be run before the document is printed
onerror	script	Script to be run when an error occurs
onhashchange	script	Script to be run when there has been changes to the anchor part of the a URL
onload	script	Fires after the page is finished loading
onmessage	script	Script to be run when the message is triggered

CONCLUSION: Thus, we created tables and lists with different tags and attributes.

Align:

```
<html>
<head>
    <title>Text Align</title>
</head>
<body>
    <h1 style="text-align:left;">Hello,Welcome to pce"</h1>
    <h2 style="text-align:center;">Hello,Welcome to pce</h2>
    <p style="text-align:right;">Hello,Welcome to pce</h2>
        <footer><h5 align="center"><font color="black">Author: Vijay Yadav <br>
        Roll no:22 </font></h5>
    <footer>
</body>
</html>
```

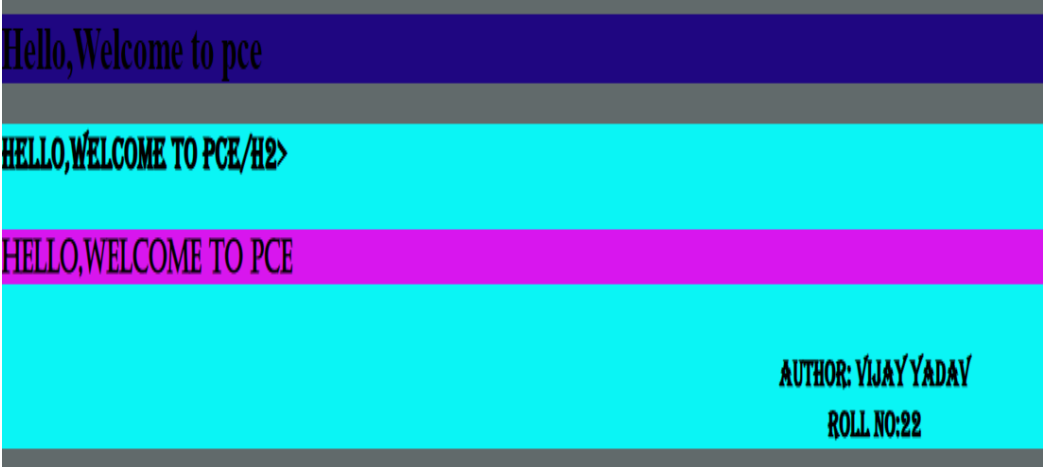# Hello,Welcome to pce"

Hello,Welcome to pce

Author: Vijay Yadav
Roll no:22

Background:

```
<html>
    <head>
        <title>Background Color</title>
    </head>
    <body style="background-color: #616A6B;">
        <h1 style="font-family:commanders;
            background-color: rgb(31, 6, 129);">Hello,Welcome to pce</h1>
        <h2 style="font-family:algerian;
            background-color: rgb(10, 245, 245);">Hello,Welcome to pce/h2>
        <p style="font-family:Castellar;
            background-color: rgb(216, 22, 238);">Hello,Welcome to pce</p>
            <footer><h5 align="center"><font color="black">Author: Vijay Yadav <br>
                Roll no:22 </font></h5>
        </body>
    </html>
```

Hello,Welcome to pce

HELLO,WELCOME TO PCE/H2>

HELLO,WELCOME TO PCE

AUTHOR: VIJAY YADAV
ROLL NO:22

Color:

```html
<html>
<head>
    <title>Font Color</title>
</head>
<body>
    <h1 style="color:rgb(20, 6, 178);">Hello,Welcome to pce</h1>
    <h2 style="color:#0c98f6;">Hello,Welcome to pce</h2>
    <h3 style="color:rgb(198, 246, 198);">Hello,Welcome to pce</h3>
    <p style="color:#810CA6;">Hello,Welcome to pce</p>
    <footer><h5 align="center"><font color="black">Author: Vijay Yadav <br>
        Roll no:22 </font></h5>
</body>
</html>
```

Hello,Welcome to pce

Hello,Welcome to pce

Hello,Welcome to pce

Hello,Welcome to pce

Author: Vijay Yadav
Roll no:22

Cssstyling:

```html
<html>
    <head>
        <title>CSS</title>
        <!--CSS properties applied inside this style tag-->
        <style>
            body{
            background-color: #616A6B;
            }
            h1{
            font-family: commanders;
            background-color: rgb(31, 4, 150);
            }
            h2{
            font-family: algerian;
            background-color: cyan;
            }
            #first{
            font-family: Castellar;
            background-color: rgb(0, 225, 0);
            color: blue;
            }
            .second{
            text-align: right;
            background-color: white;
            font-size: 30px;
            color: red;
            }
        </style>
    </head>
    <body>
        <h1>Hello,Welcome to pce</h1>
        <h2>Hello,Welcome to pce</h2>
        <p id = "first">Hello,Welcome to pce/p>
        <p class = "Fourth">Batch: BE ETRX</p>
        <footer><h5 align="center"><font color="black">Author: Vijay Yadav <br>
            Roll no:22 </font></h5>
    </body>
```

Hello,Welcome to pce

HELLO,WELCOME TO PCE

HELLO,WELCOME TO PCE/P>

Batch: BE ETRX

Author: Vijay Yadav
Roll no:22

Fontsize:

```html
<html>
    <head>
        <title>Font Size</title>
    </head>
    <body>
        <h1 style="font: size 55px;0%;">Hello All, Welcome to PCE.</h1>
        <h2 style="font: size 170px;0%;">Hello All, Welcome to PCE.</h2>
        <h3 style="font-size:60px;">Hello All, Welcome to PCE.</h3>
        <p style="font-size:30px;">Hello All, Welcome to PCE.</p>
        <footer><h5 align="center"><font color="black">Author: Vijay Yadav <br>
            Roll no:22 </font></h5>
    </body>
</html>
```

Hello All, Welcome to PCE.

Hello All, Welcome to PCE.

Hello All, Welcome to PCE.

Hello All, Welcome to PCE.

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Roll no:22

Section:

```html
<!DOCTYPE html>
<html>
    <body>
        <!-- html section tag is used here -->
        <section>
            <h1>PCE Main Page: Section 1</h1>

<p>Content of section 1</p>


        </section>
        <section>
            <h1>Dept of ETRX: Section 2</h1>
            <section>
                <h1>a friend in deen is a friend indeed</h1>
                <h1>a friend in deen is a friend indeed</h1>
            </section>
<p>Content of section 2</p>


        </section>
        <section>
            <h1>BE ETRX Division: Section 3</h1>


<p>Content of section 3</p>


        </section>
        <section>
            <h1>a friend in deen is a friend indeed</h1>
            <h1>a friend in deen is a friend indeed</h1>
        </section>
        <footer><h5 align="center"><font color="black">Author: Vijay Yadav <br>
            Roll no:22 </font></h5>
    </body>
</html>
```

PCE Main Page: Section 1

Content of section 1

Dept of ETRX: Section 2

a friend in deen is a friend indeed

a friend in deen is a friend indeed

Content of section 2

BE ETRX Division: Section 3

Content of section 3

a friend in deen is a friend indeed

a friend in deen is a friend indeed

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Roll no:22

Style:

```html
<html>
    <head>
        <title>Font Family</title>
    </head>
    <body>
        <h1 style="font-family:commanders;">Hello All, Welcome to PCE.</h1>
        <h2 style="font-family:Chaparral Pro Light;">Hello All, Welcome to PCE.</h2>
        <h3 style="font-family:algerian;">Hello All, Welcome to PCE.</h3>
        <p style="font-family:Castellar;">Hello All, Welcome to PCE.</p>
        <h2>
        <p style="font-family:'Times New Roman', Times, serif;">Hello All, Welcome to PCE.</p>
        <footer><h5 align="center"><font color="black">Author: Vijay Yadav <br>
            Roll no:22 </font></h5>
    </body>
</html>
```

Hello All, Welcome to PCE.

Hello All, Welcome to PCE.

HELLO ALL, WELCOME TO PCE.

HELLO ALL, WELCOME TO PCE.

Hello All, Welcome to PCE.

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Vedio:

```html
<!DOCTYPE html>
<html>
<body>
  <!-- <video width="520" height="540" autoplay muted>
    <source src="test1.mp4" type="video/mp4">
    <source src="test2.mp4" type="video/mp4">
  Your browser does not support the video tag.
</video> -->
<div style="text-align:center">
  <button onclick="playPause()">Play/Pause</button>
  <button onclick="makeBig()">Big</button>
  <button onclick="makeSmall()">Small</button>
  <button onclick="makeNormal()">Normal</button>
  <br><br>
  <video controls width="250">
    <source src="/media/cc0-videos/flower.webm" type="video/webm">

    <source src="/media/cc0-videos/flower.mp4" type="video/mp4">

  Your browser does not support HTML video.
  </video>
</div>

<script>
var myVideo = document.getElementById("video1");

function playPause() {
  if (myVideo.paused)
    myVideo.play();
  else
    myVideo.pause();
}

function makeBig() {
    myVideo.width = 560;
}

function makeSmall() {
    myVideo.width = 320;
}

function makeNormal() {
    myVideo.width = 420;
}
</script>

<p>Video courtesy of <a href="https://www.youtube.com/watch?v=kxkDwHpcMv0" target="_blank">online vedio</a>.</p>
<footer><h5 align="center"><font color="black">Author: Vijay Yadav <br>
  Roll no:22 </font></h5>
</body>
</html>
```
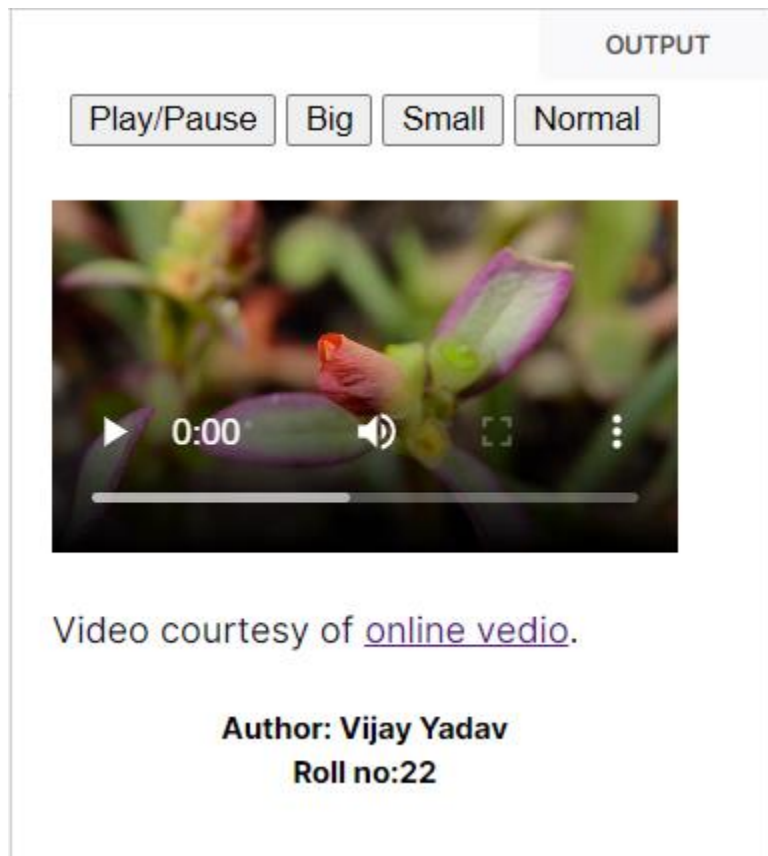
OUTPUT

Play/Pause | Big | Small | Normal

Video courtesy of online vedio.

Author: Vijay Yadav
Roll no:22

Vedio2:

```html
<!DOCTYPE html>
<html>
<body>

<div style="text-align:center">
  <button onclick="playPause()">Play/Pause</button>
  <button onclick="makeBig()">Big</button>
  <button onclick="makeSmall()">Small</button>
  <button onclick="makeNormal()">Normal</button>
  <br><br>
  <video controls width="250">
    <source src="/media/cc0-videos/flower.webm" type="video/webm">

    <source src="/media/cc0-videos/flower.mp4" type="video/mp4">

    Your browser does not support HTML video.
  </video>
</div>
-
<script>
var myVideo = document.getElementById("video1");

function playPause() {
  if (myVideo.paused)
    myVideo.play();
  else
    myVideo.pause();
}

function makeBig() {
    myVideo.width = 560;
}

function makeSmall() {
    myVideo.width = 320;
}

function makeNormal() {
    myVideo.width = 420;
}
</script>

<p>Video courtesy of <a href="https://www.w3schools.com/html/movie.mp4" target="_blank">Online vedio</a>.</p>
<footer><h5 align="center"><font color="black">Author: Vijay Yadav <br>
  Roll no:22 </font></h5>
</body>
</html>
```

Play/Pause Big Small Normal

Video courtesy of online vedio.

Author: Vijay Yadav
Roll no:22

Video:

```html
<!DOCTYPE html>
<html>
<body>

  <video controls width="250">
    <source src="/media/cc0-videos/flower.webm" type="video/webm">

    <source src="/media/cc0-videos/flower.mp4" type="video/mp4">

  Your browser does not support HTML video.
</video>

<p>
Video courtesy of
<a href="https://www.w3schools.com/html/movie.mp4" target="_blank">Online vedio</a>.
</p>
<footer><h5 align="center"><font color="black">Author: Vijay Yadav <br>
  Roll no:22 </font></h5>
</body>
</html>
```

```html
<!DOCTYPE html>
<html>
<body>

  <video controls width="250">
    <source src="/media/cc0-videos/flower.webm"
type="video/webm">

    <source src="/media/cc0-videos/flower.mp4"
type="video/mp4">

  Your browser does not support HTML video.
</video>

<p>
Video courtesy of
<a href="https://www.w3schools.com/html/movie.mp4"
 target="_blank">Online vedio</a>.
</p>
```


Video courtesy of Online vedio.

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Roll no:22

Video1:

```
<video controls width="250">
  <source src="/media/cc0-videos/flower.webm" type="video/webm">

  <source src="/media/cc0-videos/flower.mp4" type="video/mp4">
  Your browser does not support the video tag.
</video>
```

```
1 <video controls width="250">
2   <source src="/media/cc0-videos/flower.webm"
  type="video/webm">
3
4   <source src="/media/cc0-videos/flower.mp4"
  type="video/mp4">
5   Your browser does not support the video tag.
6 </video>
7
```