<h1 style="text-align:center">Experiment No - 1</h1>
<h2 style="text-align:center">Creation of website using HTML5</h2>

Create a website using HTML5 and CSS using any 4 CSS properties. Write a code for 2 separate pages having different file names such as first page as Index. html and second page as page2.html. Use any theme such as college profile or company profile etc. Every page must contain proper Meta information and design web page as follows-

1) The index PAGE must CONTAIN A HEADING which is highest AMONG other text on PAGES AND must be AT centre of the PAGE. There must be A PARAGRAPH which introduces GENERAL INFORMATION ABOUT the theme chosen must HAVE AT LEAST 3 PHYSICAL style TAGS AND one IMAGE with ALTERNATE text. This PAGE must be connected to other two PAGES with proper NAVIGATIONAL links.

2) The 2nd PAGE must CONTAIN the FEEDBACK or enrolment form RELATED with theme chosen with FEATURES of HTML5. The form must CONTAIN text element AND EMAIL ADDRESS of the COMPANY or person. Include the submit button.

Index.html

```
<html>
<head>
<title> ADARSH GURUKUL VIDYA.AND JR. COLLEGE PETH VADGAON
</title>
<meta charset="utf-8">
<meta name="author" content="physical tags">
<style type="text/css">
h2{
  border-style;dotted;
    }
b{
   color:red;
    font-size:15pt;
   }
body{
     background-color:pink;
       }
u{
   text-decoration:overline;
}
p{
   text-align:right;
}
</style>
</head>
<body>
<h1 align="center"> ADARSH GURUKUL VIDYA.AND JR. COLLEGE PETH
VADGAON</h1>
```

```html
<p>
ADARSH GURUKUL VIDYA.AND JR. COLLEGE  was established in the year
1981.
ADARSH GURUKUL VIDYA.AND JR. COLLEGE PETH VADGAON is
providing quality education to students.
</p>
<b>ADARSH GURUKUL VIDYA.AND JR. COLLEGE PETH
VADGAON</b><br><br>
<i> A person who never made a mistake never tried anything new</i><br>
<u>There are no shortcuts to any worth going.</u><br>
<img src="C:\Users\ar2020\Desktop\xii journal file202021\image.jpg"
width="200" height="250" alt="Balvant"><br>
<a href="page2.html">Second page </a>
</body>
</html>
```

Page2.html

```html
   <!DOCTYPE html>
<html>
<head>
<title>form</title>
<meta charset=utf-8">
<meta name="author" content="Form">
<style type="text/css">
h2{
    border-style:dashed;
}
body{
     background-color:aqua;
}
</style>
</head>
<body>
<h2 align="center"> Feedback Form</h2>
<form method="post">
<p>
<font size="5">
First name:-<input type="text" name="firstname"><br>
Last name:-<input type="text" name="lastname"><br>
Email Address:-<input type="text" name="email"><br>
Contact No:-<input type="text" name="contact"><br>
Please enter your comment below:-<br>
<textarea name="a" rows="10" cols="20"></textarea><br>
<input type="submit" value="Send">
<input type="reset" value="Clear form">
</font>
</p>
```

```
</form>
<a href="index.html"><font size="4" color="blue" face="verdana"> HOME
</font></a>
</body></html>
```

Experiment No - 2
Create a webpage using HTML and CSS code to design a web page as the layout displayed below.

The top section will display the heading , 'Tourist places' in header. The section on the left has list of cities. The right hand side displays tourist places of any one of the city .

Use Inline style sheet in the top section to display background color for the text 'Tourist places'. Use internal stylesheet for the left and right section with background color and font styles.

Tourist PLACES	
City 1. Pune 2. BANGLORE 3. HYDERABAD 4. Delhi	Tourist PLACES in Pune • SHANIVARWADA • KELKAR Museum • SINHGAD fort

Frameset.html
```
<!DOCTYPE html>
<html>
<head>
<title> Frameset</title>
</head>
<frameset rows=30%,70%>
<frame src="top.html">
<frameset cols=50%,50%>
<frame src="left.html">
<frame src="right.html">
</frameset>
</html>
```

Top.html
```
<!DOCTYPE html>
<html>
<head>
```

```html
<title> top</title>
</head>
<body style=background-color:skyblue>
<center>
<h1 style=color:pink> Tourist places</h1>
</center>
</body>
</html>
```

Left.html

```html
<!DOCTYPE html>
<html>
<title> left</title>
<style>
body{background-color:lightyellow}
h4{font-style:normal}
</style>
</head>
<body>
<h4>
City
<ol type=1>
<li>Pune</li>
<li>Banglore</li>
<li>Hyderabad</li>
<li>Delhi</li>
</h4>
</body>
</html>
```

Right.html

```html
<!DOCTYPE html>
<html>
<head>
<title> right</title>
<style>
body{background-color:pink}
h3{font-style:normal}
</style>
</head>
<body>
<h3>
Tourist Places in Pune
<ul type=disc>
```

 Shanivarwada
Kelkar Museum
Sinhgad Fort
</h3></body></html>

Experiment No - 3

Use of Audio on web PAGES using HTML5.

Create a webpage named audio.html to set an audio file in web page with controls such that it uses HTML5 elements. The audio file must play as soon as the webpage loads in browser and it will start over again, every time when it is completed.

Create another webpage named audio1.html which provides multiple source file formats for the same audio file that plays a sound automatically with controls. The browser should display the message with appropriate attribute, when audio file is not supported by browser. The code must incorporate the list of sound files formats (like wav, MP3 or ogg etc).

Audio.html

<!DOCTYPE html>

<html>

<head>

<title> Audio </title>

</head>

<body>

<center>

<h1>audio with control(single source file)</h1>

<audio controls loop=-1 autoplay>

<source src="song1.mp3 type="audio/mpeg"></source>

Your browser does not support the audio element.

</audio>

</center>

</body>

</html>

Audio1.html

<!DOCTYPE html>

<html>

<head>

<title>audio </title>

</head>

```html
<body>
<center>
<h1>Audio with control(Multiple source file)</h1>
<audio controls autoplay>
<source src="song2.wav" type="audio/wav"></source>
<source src="song3.ogg" type="audio/ogg"></source>
Your browser does not support the audio element.
</audio>
</center>
</body>
</html>
```

<h1 style="text-align:center">Experiment No - 4</h1>

Create a web page in HTML having a white background and two Button Objects. Write code using JavaScript such that when the mouse is placed over the first button object without clicking, the color of the background of the page should change after every   seconds. There should at least be 7 different and visibly distinct background colors excluding the default color. When the second button object is clicked, appropriate message should be displayed in Browsers status bar. Create another web page using JavaScript where the background color changes automatically after every seconds. This event must be triggered automatically after the page gets loaded in the browser. There should at least be 7 different and visibly distinct background colors. When the page is unloaded, the appropriate alert message should be displayed.

color.html

```
<!DOCTYPE html>

<html>

<head>

<title></title>

</head>

<body id="background">

        <h1>Background Color is being changed every 1 seconds</h1>

<script>

var i = 0;

function change() {

var doc = document.getElementById("background");

 var color = ["red", "blue", "brown", "green","yellow","pink","orange"];

    doc.style.backgroundColor = color[i];

    i = i+1;

    if(i==7){

            doc.style.backgroundColor = "white";

    }
```

```
        }
function click_btn() {

            window.status = "Background Color is being changed every 1
            seconds";

  }
```

`</script>`

```
<input type="button" name="b1" value="over here"
        onmouseover="setInterval(change, 1000)">

<input type="submit" name="b2" value="click here" onclick="click_btn()">

</body>

</html>
```

Experiment No- 5

Create JavaScript program for the following form validations. Make use of HTML5 properties to do the following validations :

1) NAME, ADDRESS, CONTACT number AND EMAIL ARE required fields of the form.

2) Address field should show the hint VALUE which will DISAPPEAR when field gets focus or key press event.

3) Telephone number should be MAXimum 10 digit number only.

4) EMAIL field should CONTAIN VALID EMAIL ADDRESS, @ should APPEAR only once AND not AT the beginning or AT end. It must CONTAIN AT LEAST one dot(.).

5) MAKE use of PATTERN ATTRIBUTE for EMAIL to ACCEPT LOWERCASE, UPPERCASE ALPHABETS, digits AND specified symbols.

Information Form

Your Name:- _____

Address:- [permenant address _____]

Contact:- _____

E-mail:- _____

[Submit]

Form validation.html

```html
<html>
<head>
<title> form valition </title>
</head>
<body bgcolor="green">
<h1 align="center">INFORMATION</h1>
<form name="frm1">
Enter Name
<input type="text" name="t1">
<br>
<br>
Enter Address
<textarea name="t2" placeholder="PERMENANT ADDRESS">
</textarea><br>
Enter Telephone Number
<input type="tel" name="telephone" maxlenght="10"><br> <br>
Enter Email Address
<input type="email" name="t3" pattern="[a-z A-Z]{0-9}-[@]{}1-[.]{1}"
        placeholder="lax2107@gmail.com"><br><br>
<input type="button" name="b1" value="Submit"
        onclick="validate_email()">
</form>
</body>
<script type="text/javascript">
function validate_email()
{
var x=frm1.t3.value;
var at_pos=x.Indexof("@");
var last_pos=x.lastIndexof("@");
var firstdot_pos=x.Indexof(".");
var dot_pos=x.lastIndexof(".");
if(at_pos<1 || dot_pos<at_pos+2 || dot_pos+2>=x.length || firstdot_pos<at_pos
        || at_pos<last_pos)
{
alert("NOT VALTD EMAIL");
frm1.t3.focus();
```

```
    }
    else
    {
    alert("EMAIL ACCEPTED");
    return true;
    }
    }
    </script>
    </html>
```

Experiment No - 6

Write A PHP PROGRAM to check if A person is eligible to vote or not. The PROGRAM should include the following-

- ➢ Minimum AGE required for vote is 18.
- ➢ Use PHP functions.
- ➢ Use Decision MAKING STATEMENT.

Age.html

```
<html>
<body>
<h1 align="center">Person Eligible to vote </h1>
<form method="post" action="age.php">
Enter AGE
<input type="text" name="age"><br><br>
<input type="submit" name="submit" value="check eligible">
</form>
</body>
</html>
```

Age.php

```
<?php
```

```php
if(isset($_POST['submit']))
{
$age=$_POST['age'];
if($age>=18)
echo"<br><br> You are Eligible to vote";
else
echo"<br><br> You are not Eligible to vote";
}
?>
```

Experiment No - 7

Write a PHP function to count the total number of vowels (a,e,i,o,u) from the string. Accept a string by using HTML form.

Vowel.html
```html
<html>
<body>
<h1 align="center">VOWEL </h1>
<form method="post" action="vowel.php">
Enter String
<input type="text" name="str"><br><br>
<input type="submit" name="submit" value="count vowels">
</form>
</body>
</html>
```

Vowel.php
```php
<?php
if(isset($_POST['submit']))
{
$str=$_POST['str'];
$vowels=array('a','i','e','o','u','A','I','E','O','U');
```

```php
$len=strlen($str);
$num=0;
for($i=0;$i<$len;$i++)
{
if(in_array($str[$i],$vowels))
{
$num++;
}
}
echo"<br><br> Number of vowels:$num";
}
?>
```