A.D. PATEL
INSTITUTE OF
TECHNOLOGY
DEPARTMENT OF COMPUTER
ENGINEERING

A. Y. 2022 -23, SEM ES TER 5 SUBJ ECT CODE: 102044505 SUBJ ECT NAM E: WEB DEVELOPMENT

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Name:	Enrolment No:

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Aim: Create a Letter using HTML Tags.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Leave Application</title>
  </head>
<body>
To,
           <br>The Principal
    6th July,2022
    <u><b>Subject:</b></u>Request for leave
    I would like to inform that i got an offer from GOOGLE for internship.<br/>
    Hence, i would need leave for 2 months from the college.<br>
    I would love if you would grant me leave for the same. 
    Thanking you!
</body>
</html>
```

Output:

To, The Principal

6th July,2022

 $\underline{Subject:} \textbf{Request for leave}$

I would like to inform that i got an offer from GOOGLE for intership. Hence, i would need leave for 2 months from the college. I would love if you would grant me leave for the same.

Thanking you!

Aim: Image with Overlay Effects.

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta name="author" content="Tarang Jangle, Student">
    <meta name="viewport" content="width=device-width,minimum-
scale=1,initial-scale=1">
    <style>
      .work {
            width: 300px;
            /* background-color: rgb(80, 48, 196); */
            height: 300px;
            background-image: url(pic.jpg);
            background-repeat: 1;
            background-size: 300px;
      }
       .work1 {
            background: linear-gradient(rgba(0, 0, 0, 0.9), rgba(0, 0, 0, 0.2));
            width: 100%;
            height: 100%;
            position: relative;
            text-align: center;
        }
        .work1:hover {
            background: linear-gradient(rgba(0, 0, 0, 0.5), rgba(0, 0, 0, 0));
            width: 100%;
            height: 100%;
            position: relative;
            text-align: center;
        }
        .work2 {
            background: linear-gradient(rgba(0, 0, 0, 0), rgba(0, 0, 0, 0.7));
            position: relative;
```

```
top: 220px;
           bottom: 0px;
           height: 40px;
            text-align: center;
         }
         .work3 {
            font-size: 15px;
            color: white;
      </style>
  </head>
  <body>
    <div class="work">
      <div class="work1">
      <spanclass="work3>
      HELLO ADIT
        </span>
     </div>
    </div>
  </body>
</html>
```



Aim: Button Design with CSS

```
<!DOCTYPE html>
<html>
      <head>
            <meta name="Author" content="Tarang">
            <meta name="keyword" content="First">
            <meta name="viewport" content="width=device-width,minimum-</pre>
scale=1,initial-scale=1">
            <meta http-equiv="refresh" content="5">
            <style>
            .button_1 {
                                   color:rgb(0, 0, 0);
                                   font-size:15px;
                                   background-color: rgb(44, 239, 167);
                                   padding: 20px;
                                   border:none;
                                   box-shadow: 0.4px 6px 0.rgba(0,0,0,0.2), 0.4px 6px 0.rgba(0,0,0,0.9);
                                   border-radius: 5px;
                             }
             .button_1:hover {
                                   color:rgb(0, 0, 0);
                                   font-size:15px;
                                   background-color: rgb(101, 243, 190);
                                   padding: 20px;
                                   border:none;
                                   box-shadow: 0.4px 0.5px 
                                   border-radius: 5px;
             .button_1:active {
                                   color:rgb(0, 0, 0);
                                   font-size:15px;
                                   background-color: rgb(44, 239, 167);
                                   padding: 20px;
                                   border:none;
                                   box-shadow: 0 \text{ 4px 6px 0 rgba}(0,0,0,0.2), 0 \text{ 4px 6px 0 rgba}(0,0,0,0.3);
                                   border-radius: 5px;
               .button_2 {
                                   color:rgb(0, 0, 0);
                                   font-size:15px;
                                   background-image:linear-gradient(rgb(44, 239, 167),rgb(44, 120, 136));
                                   padding: 20px;
                                   border:none;
                                   box-shadow: 0.4px 6px 0.rgba(0,0,0,0.2), 0.4px 6px 0.rgba(0,0,0,0.9);
```

```
.button_2:hover {
              color:rgb(0, 0, 0);
              font-size:15px;
              background-image:linear-gradient(rgb(44, 239, 167),rgb(39, 106, 120));
              padding: 20px;
              border:none;
              box-shadow:0 4px 6px 0 rgba(0,0,0,0.2),0 4px 6px 0 rgba(0,0,0,0.9);
      .button_2:active {
              color:rgb(0, 0, 0);
              font-size:15px;
              background-image:linear-gradient(rgb(44, 239, 167),rgb(39, 106, 120));
              padding: 20px;
              border:none;
              box-shadow:0 4px 6px 0 rgba(0,0,0,0.2),0 4px 6px 0 rgba(0,0,0,0.5);
    </style>
  </head>
  <body>
    <div align="center"><br><br>
       <button class="button_2">Click here/button><br><br>
       <button class="button 1" >Click here
     </div>
  </body>
</html>
```



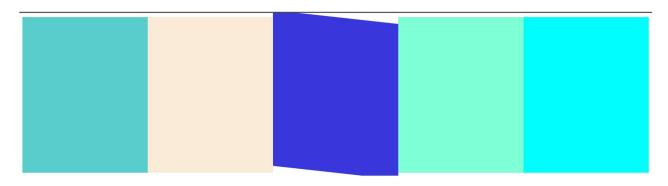
Aim: ADIT Navigation Bar

```
<html>
<head>
     <meta charset="utf-8">
     <meta name="viewport" content="width=device-width, initial-scale=1">
     <title></title>
     <style>
           .a1{
             height: 70px;
                background-color: rgba(142, 142, 142,0.5);
                text-align: center;
                border: 1px solid rgb(0, 0, 0);
                border-collapse: collapse;
                font-weight: bold;
                font-size: 18px;
                margin-top: 50px;
     </style>
</head>
<body>
  <td style="background-color:rgb (218,8,18); color: rgb (255, 255,
255);">HOME
           ABOUT US <span style="font-size: 15px;">&#9660
           PROGRAMS <span style="font-size: 15px">&#9660</span>
           COURSES
           PLACEMENT
           ADMISSION <span style="font-size:15px">&#9660</span>
           STUDENT CORNER <span style="font-
size:15px">&#9660</span>
           RESEARCH/COE <span style="font-
size:15px">&#9660</span>
           AICTE IDEA LAB
           CAMPUS <span style="font-size:15px">&#9660</span>
           CONTACT
     </body>
</html>
                                          RESEARCH/COE AICTE CAMPUS CONTACT
HOME ABOUT PROGRAMS COURSES PLACEMENT ADMISSION
```

Aim: Accordion Effect with Image

```
<!DOCTYPE html>
<head>
  <meta charset="utf-8">
  <meta name="author" content="Videh Sharma">
  <meta name="keywords" content="Equation">
  <meta name="viewport" content="width=device-width,minimum-scale=1,initial-</pre>
scale=1">
  <title></title>
  <style>
     .first {
       width: 20%;
       height: 300px;
       background-color: blue;
       float: right;
       transition: transform 1s;
     }
     .first:hover
       transform: skewY(5deg);
       transition: transform 1s;
     }
     .second {
       width: 20%;
       height: 300px;
       background-color: yellow;
       float: right;
       transition: transform 1s;
     }
     .second:hover
       transform: skewY(5deg);
       transition: transform 1s;
     }
     .third
       width: 20%;
       height: 300px;
       background-color: aqua;
       float: right;
       transition: transform 1s;
```

```
}
     .third:hover
       transform: skewY(5deg);
       transition: transform 1s;
     }
     .fourth
     {
       width: 20%;
       height: 300px;
       background-color: aquamarine;
       float: right;
       transition: transform 1s;
    }
     .fourth:hover
       transform: skewY(5deg);
       transition: transform 1s;
     }
     .fifth
       width: 20%;
       height: 300px;
       background-color: green;
       transition: transform 1s;
     }
     .fifth:hover
       transform: skewY(5deg);
       transition: transform 1s;
     }
  </style>
</head>
<body>
  <div class="first">div1</div>
  <div class="second">div2</div>
  <div class="third">div3</div>
  <div class="fourth">div4</div>
  <div class="fifth">div5</div>
</body>
</html>
```



<!DOCTYPE html>

```
<head>
  <meta charset="utf-8">
  <meta name="author" content="Videh Sharma">
  <meta name="keywords" content="Equation">
  <meta name="viewport" content="width=device-width,minimum-scale=1,initial-</pre>
scale=1">
  <title>Skew Effect</title>
     <style>
       .main{
         width: 100%;
         height: 670px;
         background-image: url(https://images.unsplash.com/photo-1659412321527-
    8cddf2458faa?ixlib=rb-
     1.2.1&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&
    w=1470&q=80);
         transition: transform 1.5s;
       }
       .div{
         width: 10%;
         height: 670px;
         float: right;
         background-image: linear-gradient(rgba(255,255,255,1),rgba(255,255,255,0));
         transition: transform 1.5s;
       }
       .div:hover{
         width: 10%;
         height: 670px;
         float: right;
         background-image: linear-gradient(rgba(247,247,247,1),rgba(247,247,247,0));
         transform: skewY(17deg);
         transition: transform 0.5s;
       }
     </style>
     <body>
       <div class="main">
```



Aim: Javascript Basic(Table, Calendar, Zig Zag Pattern)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    var i=1;
    for(i=1;i<=20;i++)
       if(i\%2==0)
       {
         document.write("<h1 align=\"center\">Hello Adit</h1>");
       else
         document.write("<h1>Hello Adit</h1>");
       }
    }
  </script>
</body>
</html>
```

Output:

Welcome to Javascript

	Hello ADIT
Hello ADIT	Hello ADIT
Hello ADIT	Hello ADIT
Hello ADIT	Helio ADII
AT II. ADM	Hello ADIT
Hello ADIT	Hello ADIT
Hello ADIT	

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Document</title>
</head>
<body>
  <h1>Welcome to Javascript</h1>
  Sun
      Mon
      Tues
      Wed
      Thurs
      Fri
      Sat
    January
    <script>
      var n = 1;
      for (j = 1; j \le 12; j++)
      {
        for (var i = 1; i \le 31; i++) {
          if (n == 1) {
            document.write("");
            document.write("" + i + "");
          else if (n == 7) {
            document.write("<td>" + i + "</td>");
            document.write("");
            n = 1;
          } else {
            document.write("" + i + "");
            n++;
          }
        var x = n;
        while (x < 7 \&\& j!= 12)
          if (n == 1) {
            document.write("");
```

```
document.write("");
   n++;
 else if (n == 7) {
   document.write("");
   document.write("");
 document.write("");n = 1;
 } else {
   document.write("");
 }
 X++;
if(j==1)
 document.write("February");
if(j==2)
{
 document.write("March");
if(j==3)
 document.write("April");
if(j==4)
 document.write("May");
if(j==5)
 document.write("June");
if(j==6)
 document.write("July");
if(j==7)
 document.write("August");
if(j==8)
 document.write("September");
if(j==9)
 document.write("October");
```

```
if(j==10)
          document.write("Novemeber");
        if(j==11)
          document.write("December");
        }
        x=0;
        while (x < n \&\& j != 12)
          if (n == 1) {
            document.write("");
            document.write("");
          else if (n == 7) {
            document.write("");
            document.write("");
            document.write("");
            n = 1;
          } else {
            document.write("");
            n++;
          }
          X++;
        if (j == 12 && n != 1) {
          document.write("");
      }
    </script>
  </body>
</html>
```

Welcome to Javascript

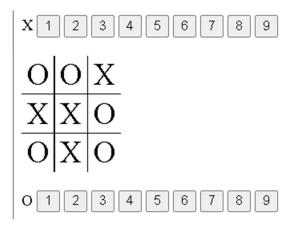
January						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Aim: Tic Tac Toe with Javascript

```
<!DOCTYPE html>
<html lang="en">
 <head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Document</title>
  <style>
     .c1 {
       text-align: center;
       height: 30px;
       width: 30px;
    }
  </style>
  <script>
    function funcX1() {
       document.getElementById("td1").innerHTML = "X";
    }
    function funcX2() {
       document.getElementById("td2").innerHTML = "X";
    function funcX3() {
       document.getElementById("td3").innerHTML = "X";
    }
    function funcX4() {
       document.getElementById("td4").innerHTML = "X";
    }
    function funcX5() {
       document.getElementById("td5").innerHTML = "X";
    function funcX6() {
       document.getElementById("td6").innerHTML = "X";
    }
    function funcX7() {
       document.getElementById("td7").innerHTML = "X";
    function funcX8() {
       document.getElementById("td8").innerHTML = "X";
    }
    function funcX9() {
       document.getElementById("td9").innerHTML = "X";
    }
    function funcO1() {
       document.getElementById("td1").innerHTML = "O";
```

```
}
   function funcO2() {
      document.getElementById("td2").innerHTML = "O";
   function funcO3() {
     document.getElementById("td3").innerHTML = "O";
   function funcO4() {
      document.getElementById("td4").innerHTML = "O";
   }
   function funcO5() {
     document.getElementById("td5").innerHTML = "O";
   function funcO6() {
     document.getElementById("td6").innerHTML = "O";
   }
   function funcO7() {
     document.getElementById("td7").innerHTML = "O";
   }
   function funcO8() {
      document.getElementById("td8").innerHTML = "O";
   }
   function funcO9() {
     document.getElementById("td9").innerHTML = "O";
  </script>
</head>
<body style>
  Χ
  <button onclick="funcX1()">1</button>
  <button onclick="funcX2()">2</button>
  <button onclick="funcX3()">3</button>
  <button onclick="funcX4()">4</button>
  <button onclick="funcX5()">5</button>
  <button onclick="funcX6()">6</button>
  <button onclick="funcX7()">7</button>
  <button onclick="funcX8()">8</button>
  <button onclick="funcX9()">9</button>
  <br><br><
  -
      <td class="c1" id="td2" style="border-bottom: 1px solid black;
     border-left: 1px solid black;
     border-right: 1px solid black;">-
      -
```

```
-
     <td class="c1" id="td5" style="border-bottom: 1px solid black;
     border-left: 1px solid black;
     border-right: 1px solid black;">-
     -
   -
     <td class="c1" id="td8" style="border-left: 1px solid black;
     border-right: 1px solid black;">-
     -
   <br>
 0
 <button onclick="funcO1()">1</button>
 <button onclick="funcO2()">2</button>
 <button onclick="funcO3()">3</button>
 <button onclick="funcO4()">4</button>
 <button onclick="funcO5()">5</button>
 <button onclick="funcO6()">6</button>
 <button onclick="funcO7()">7</button>
 <button onclick="funcO8()">8</button>
 <button onclick="funcO9()">9</button>
</body>
</html>
```



Aim: Number 1 to 9 Display with Javascript

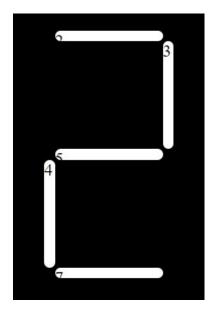
```
<!DOCTYPE html>
<html lang="en">
  <head>
     <title>digital Numbers</title>
     <style>
       .upper
          position:absolute;
          top:90px;
          left:600px;
          width:150px;
          height:7px;
          /* background-color: black; */
       }
       .upperright
          position:absolute;
          top:98px;
          left:751px;
          width:7px;
          height:150px;
          /* background-color: black; */
       }
       .upperleft
          position:absolute;
          top:98px;
          left:592px;
          width:7px;
          height:150px;
          /* background-color: black; */
       }
       .middle
          position:absolute;
          top:249px;
          left:600px;
          width:150px;
          height:7px;
          /* background-color: black; */
       .bottomright
```

```
position:absolute;
    top:257px;
    left:751px;
    width:7px;
    height:150px;
    /* background-color: black; */
  .bottomleft
  {
    position:absolute;
    top:257px;
    left:592px;
    width:7px;
    height:150px;
    /* background-color: black; */
  }
  .bottom
  {
    position:absolute;
    top:408px;
    left:600px;
    width:150px;
    height:7px;
    /* background-color: black; */
  }
</style>
<script>
  var count = 0;
  count = parseInt(count);
  function digclock()
  {
    if(count%10==0)
       count = count + 1;
       document.getElementById("up").style="background-color:black;";
       document.getElementById("upright").style="background-color:black;";
       document.getElementById("upleft").style="background-color:black;";
       document.getElementById("mid").style="background-color:white;";
       document.getElementById("botright").style="background-color:black;";
       document.getElementById("botleft").style="background-color:black;";
       document.getElementById("bot").style="background-color:black;";
    else if(count%10==1)
       count = count + 1;
```

```
document.getElementById("up").style="background-color:white;";
  document.getElementById("upright").style="background-color:black;";
  document.getElementById("upleft").style="background-color:white;";
  document.getElementById("mid").style="background-color:white;";
  document.getElementById("botright").style="background-color:black;";
  document.getElementById("botleft").style="background-color:white;";
  document.getElementById("bot").style="background-color:white;";
else if(count%10==2)
  count = count + 1;
  document.getElementById("up").style="background-color:black;";
  document.getElementById("upright").style="background-color:black;";
  document.getElementById("upleft").style="background-color:white;";
  document.getElementById("mid").style="background-color:black;";
  document.getElementById("botright").style="background-color:white;";
  document.getElementById("botleft").style="background-color:black;";
  document.getElementById("bot").style="background-color:black;";
else if(count%10==3)
{
  count = count + 1;
  document.getElementById("up").style="background-color:black;";
  document.getElementById("upright").style="background-color:black;";
  document.getElementById("upleft").style="background-color:white;";
  document.getElementById("mid").style="background-color:black;";
  document.getElementById("botright").style="background-color:black;";
  document.getElementById("botleft").style="background-color:white;";
  document.getElementById("bot").style="background-color:black;";
else if(count%10==4)
{
  count = count + 1:
  document.getElementById("up").style="background-color:white;";
  document.getElementById("upright").style="background-color:black;";
  document.getElementById("upleft").style="background-color:black;";
  document.getElementById("mid").style="background-color:black;";
  document.getElementById("botright").style="background-color:black;";
  document.getElementById("botleft").style="background-color:white;";
  document.getElementById("bot").style="background-color:white;";
else if(count%10==5)
```

```
{
  count = count + 1;
  document.getElementById("up").style="background-color:black;";
  document.getElementById("upright").style="background-color:white;";
  document.getElementById("upleft").style="background-color:black;";
  document.getElementById("mid").style="background-color:black;";
  document.getElementById("botright").style="background-color:black;";
  document.getElementById("botleft").style="background-color:white;";
  document.getElementById("bot").style="background-color:black;";
else if(count%10==6)
  count = count + 1;
  document.getElementById("up").style="background-color:black;";
  document.getElementById("upright").style="background-color:white;";
  document.getElementById("upleft").style="background-color:black;";
  document.getElementById("mid").style="background-color:black;";
  document.getElementById("botright").style="background-color:black;";
  document.getElementById("botleft").style="background-color:black;";
  document.getElementById("bot").style="background-color:black;";
else if(count%10==7)
  count = count + 1;
  document.getElementById("up").style="background-color:black;";
  document.getElementById("upright").style="background-color:black;";
  document.getElementById("upleft").style="background-color:white;";
  document.getElementById("mid").style="background-color:white;";
  document.getElementById("botright").style="background-color:black;";
  document.getElementById("botleft").style="background-color:white;";
  document.getElementById("bot").style="background-color:white;";
else if(count%10==8)
  count = count + 1;
  document.getElementById("up").style="background-color:black;";
  document.getElementById("upright").style="background-color:black;";
  document.getElementById("upleft").style="background-color:black;";
  document.getElementById("mid").style="background-color:black;";
  document.getElementById("botright").style="background-color:black;";
  document.getElementById("botleft").style="background-color:black;";
  document.getElementById("bot").style="background-color:black;";
```

```
}
          else if(count%10==9)
            count = count + 1;
            document.getElementById("up").style="background-color:black;";
            document.getElementById("upright").style="background-color:black;";
            document.getElementById("upleft").style="background-color:black;";
            document.getElementById("mid").style="background-color:black;";
            document.getElementById("botright").style="background-color:black;";
            document.getElementById("botleft").style="background-color:white;";
            document.getElementById("bot").style="background-color:black;";
          }
       }
     </script>
  </head>
  <body>
     <script>
       setInterval(digclock, 1000);
     </script>
     <div align="center">
       <div class="upper" id="up"></div>
       <div class="upperright" id="upright"></div>
       <div class="upperleft" id="upleft"></div>
       <div class="middle" id="mid"></div>
       <div class="bottomright" id="botright"></div>
       <div class="bottomleft" id="botleft"></div>
       <div class="bottom" id="bot"></div>
     </div>
  </body>
</html>
Output:
```



Aim: Image Swiper

```
<!DOCTYPE html>
<html lang="en">
 <head>
  <meta charset="utf-8" />
  <title>Swiper demo</title>
   name="viewport"
   content="width=device-width, initial-scale=1, minimum-scale=1, maximum-
scale=1"
  />
  <!-- Link Swiper's CSS -->
  link
   rel="stylesheet"
   href="swiper-bundle.min.css"
  <!-- Demo styles -->
  <style>
   html,
   body {
    position: relative;
    height: 100%;
   }
   body {
    background: #eee;
    font-family: Helvetica Neue, Helvetica, Arial, sans-serif;
    font-size: 14px;
    color: #000;
    margin: 0;
    padding: 0;
   .swiper {
    width: 100%;
    height: 100%;
   .swiper-slide {
    text-align: center;
    font-size: 18px;
     background: #fff;
```

```
/* Center slide text vertically */
   display: -webkit-box;
   display: -ms-flexbox;
   display: -webkit-flex;
   display: flex;
   -webkit-box-pack: center;
   -ms-flex-pack: center;
   -webkit-justify-content: center;
   justify-content: center;
   -webkit-box-align: center;
   -ms-flex-align: center;
   -webkit-align-items: center;
   align-items: center;
  .swiper-slide img {
   display: block;
   width: 100%;
   height: 100%;
   object-fit: cover;
  }
 </style>
</head>
<body>
 <!-- Swiper -->
 <div class="swiper mySwiper">
  <div class="swiper-wrapper">
   <div class="swiper-slide">
      <img src="img1.jpeg">
   </div>
   <div class="swiper-slide">
      <img src="img2.jpeg">
   </div>
   <div class="swiper-slide">
      <img src="img3.jpeg">
   </div>
   <div class="swiper-slide">
      <img src="img4.jpeg">
   </div>
   <div class="swiper-slide">
      <img src="img5.jpeg">
   </div>
   <div class="swiper-slide">
      <img src="img6.jpeg">
```

```
</div>
     <div class="swiper-slide">
       <img src="img7.jpeg">
     </div>
     <div class="swiper-slide">
       <img src="img8.jpeg">
     </div>
     <div class="swiper-slide">
       <img src="img9.jpeg">
     </div>
   </div>
  </div>
  <!-- Swiper JS -->
  <script src="swiper-bundle.min.js"></script>
  <!-- Initialize Swiper -->
  <script>
   var swiper = new Swiper(".mySwiper", {
    autoplay: {
      delay: 2000,
      disableOnInteraction: false,
    }
   });
  </script>
 </body>
</html>
```

