

A
Term-Work
On

Web Development Lab (PCS-693)

Submitted in partial fulfilment of the requirement for the VI semester

B.Tech

By

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Faculty-in-Charge

Senam Pandey



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

GRAPHIC ERA HILL UNIVERSITY, BHIMTAL CAMPUS

2023-24

STUDENT'S DECLARATION

I, Deepti Joshi, hereby declare the work, which is being presented in the term-work, entitled “Web Development lab “ in partial fulfillment of the requirement for the award of the degree **B.Tech** in the session **2023-2024**, is an authentic record of my own work carried out under the supervision of Mrs. Senam Pandey.

The matter embodied in this term-work has not been submitted by me for the award of any other degree.

Date:

.....

(Full signature of student)



CERTIFICATE

The term-work entitled “Web Development Lab” being submitted by Deepti Joshi D/o Mr. Shekhranand Joshi Enrollment no PV-B2061801 Roll no 2061801 to Graphic Era Hill University Bhimtal Campus for the award of bonafide work carried out by her. She has worked under my guidance and supervision and fulfilled the requirement for the submission of report.

Mrs. Senam Pandey

Faculty-in-Charge

Dr. Ankur Bisht

(HOD, CSE Dept.)



Practical-1

Objective 1: Write HTML code to print table output.

Source Code:

```
<!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>Problem 1</title>

  <style>
    table,th,td{
      text-align: center;
      border:3px solid black;
    }
    html,body{
      height:100%;
    }
    .hey{
      height:100%;
    }
  </style>
</head>

<body>

  <div style="background:yellow" class="hey">

    <h1><center style="color:green">TIME TABLE</center></h1>

    <center><table style="border:solid">

      <tr>

        <th>Time/Days</th>
```

<th>9:00-9:55</th>

<th>9:55-10:50</th>

<th>10:50-11:10</th>

<th>11:10-12:00</th>

<th>12:00-1:00</th>

<th>1:00-2:00</th>

<th>2:00-2:55</th>

<th>2:55-3:50</th>

<th>3:50-4:30</th>

</tr>

<tr>

<td>MONDAY</td>

<td>1</td>

<td>2</td>

<td rowspan="5">B
R
E
A
K</td>

<td>4</td>

<td>5</td>

<td rowspan="5">L
U
N
C
H</td>

<td>6</td>

<td>7</td>

<td>counselling class</td>

</tr>

<tr>

<td>TUESDAY</td>

<td>1</td>

<td>2</td>

<td>3</td>

<td>...</td>

<td>4</td>



<td>5</td>

<td>LIBRARY</td>

</tr>

<tr>

<td>WEDNESDAY</td>

<td>1</td>

<td>2</td>

<td>3</td>

<td>...</td>

<td colspan="3">LAB</td>

</tr>

<tr>

<td>THURSDAY</td>

<td>1</td>

<td>2</td>

<td>3</td>

<td>...</td>

<td>4</td>

<td>5</td>

<td>LIBRARY</td>

</tr>

<tr>

<td>FRIDAY</td>

<td>1</td>

<td>2</td>

<td>3</td>

<td>...</td>

<td>4</td>

<td>5</td>



```

        <td>LIBRARY</td>
    </tr>

</table>
</center>
</div>

</body>
</html>

```

Output :

TIME TABLE

Time/Days	9:00-9:55	9:55-10:50	10:50-11:10	11:10-12:00	12:00-1:00	1:00-2:00	2:00-2:55	2:55-3:50	3:50-4:30
MONDAY	1	2	B R E A K	4	5	L U N C H	6	7	counseling class
TUESDAY	1	2		3	...		4	5	LIBRARY
WEDNESDAY	1	2		3	...		LAB		
THURSDAY	1	2		3	...		4	5	LIBRARY
FRIDAY	1	2		3	...		4	5	LIBRARY

Objective 2: Write HTML code to print table output.

Source code :

```
<!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>ques 2</title>
  <style>
    table,th,td{
      border:3px solid black;
    }
  </style>
</head>
<body>
  <h1><center>List Of Course-Wise Subjects</center></h1>
  <center><table>
    <tr>
      <th rowspan="2">Sr.<br>No.</th>
      <th rowspan="2">Course</th>
      <th rowspan="2">Subject</th>
      <th colspan="2">Marks</th>
      <th colspan="2">Category</th>
      <th rowspan="2">Practical/<br>Theory</th>
    </tr>
    <tr>
      <th>Internal</th>
      <th>External</th>
    </tr>
  </table>
  </center>
  </body>
</html>
```



```
<th>Internal</th>
<th>External</th>
</tr>
<tr>
<td rowspan="4">1</td>
<td rowspan="4">MBA</td>
<td>Management Accounting</td>
<td>30</td>
<td>70</td>
<td>-</td>
<td>✓</td>
<td>Theory</td>
</tr>
<tr>
<td>Information Technology</td>
<td>30</td>
<td>70</td>
<td>-</td>
<td>✓</td>
<td>T and P</td>
</tr>
<tr>
<td>Basic of Marketing</td>
<td>30</td>
<td>70</td>
<td>-</td>
<td>✓</td>
<td>Theory</td>
</tr>
</tr>
```



<tr>

<td>E-Commerce</td>

<td>50</td>

<td>--</td>

<td>✔</td>

<td>--</td>

<td>Theory</td>

</tr>

<tr>

<td rowspan="6">2</td>

<td rowspan="6">MCM</td>

<td>Visual Basic</td>

<td>30</td>

<td>70</td>

<td>--</td>

<td>✔</td>

<td>T and P</td>

</tr>

<tr>

<td>Internet Technology</td>

<td>30</td>

<td>70</td>

<td>--</td>

<td>✔</td>

<td>T and P</td>

</tr>

<tr>

<td>Network Technology</td>

<td>30</td>



<td>70</td>
<td>--</td>
<td>✔</td>
<td>Theory</td>

</tr>

<tr>

<td>VP.Net</td>
<td>30</td>
<td>70</td>
<td>--</td>
<td>✔</td>
<td>T and P</td>

</tr>

<tr>

<td>Linux</td>
<td>30</td>
<td>70</td>
<td>--</td>
<td>✔</td>
<td>T and P</td>

</tr>

<tr>

<td>ISA</td>
<td>50</td>
<td>--</td>
<td>✔</td>
<td>--</td>
<td>Theory</td>

</tr>



</table></center>

</body>

</html>

Output :

List Of Course-Wise Subjects

Sr. No.	Course	Subject	Marks		Category		Practical/ Theory
			Internal	External	Internal	External	
1	MBA	Management Accounting	30	70	-	✓	Theory
		Information Technology	30	70	-	✓	T and P
		Basic of Marketing	30	70	-	✓	Theory
		E-Commerce	50	-	✓	-	Theory
2	MCM	Visual Basic	30	70	-	✓	T and P
		Internet Technology	30	70	-	✓	T and P
		Network Technology	30	70	-	✓	Theory
		VP.Net	30	70	-	✓	T and P
		Linux	30	70	-	✓	T and P
		ISA	50	-	✓	-	Theory



Objective 3: Using table related tags align the images with hyperlinks.

Source Code :

```
<!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>Ques 3t</title>
  <style>
    table,tr,td{
      border:3px solid black;
    }
    .img1{
      height:50%;
      width:40%;
    }
    .img2{
      height: 700;
      width:700;
    }
    .img3{
      height:40%;
      width:40%;
    }
  </style>
</head>
<body>
  <h1 style="font:bold"><center>Table With Mobile Connections</center></h1>
```

<center><table style="width:70%;">

<tr>

<td><center></center></td>

<td><center></center></td>

<td><center></center></td>

<td><center></center></td>

</tr>

<tr>

<td><center></center></td>

<td colspan="2" style="font-size:xx-large"><center>Table With Images</center></td>

<td><center></center></td>

</tr>

<tr>

<td><center></center></td>

<td><center></center></td>

<td><center></center></td>

<td><center></center></td>

</tr>











</table></center>

</body>

</html>

Output :

Table With Mobile Connections

			
	Table With Images		
			

Objective 4: Create a web page having frames as follows:

Your Name Punch line etc.		
<u>Objective</u>	Display information here of selected link	Display relevant images here
<u>Personal Information</u>		
<u>Family Information</u>		
<u>Educational Information</u>		
<u>Experience</u>		
<u>Achievements</u>		
<u>Other</u>		
Your contact details		

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>web page with frames</title>
  </head>
  <frameset rows="150px,*,*">
    <frame src="frame_link/header.html">
    <frameset cols="30%,*,30%">
      <frame src="frame_link/link.html">
      <frame src="https://singlecoredevelopers.netlify.app/">
      <frame style="width: 20%; height: 50%;" src="frame_link/img.png">
    </frameset>
    <frameset rows="70px,">
      <frame src="frame_link/footer.html">
    </frameset>
  </frameset>
</html>
```


Objective 5: Create a program to run YouTube video in a web page.

Source Code:

```
<!DOCTYPE html>

<html>

  <head>

    <title> YouTube Video in WEb</title>

  </head>

<body>

  <h1 align="left">YouTube Video in Web</h1>

  <iframe align="middle" width="420" height="345"
src="https://www.youtube.com/embed/tgbNymZ7vqY?controls=1"></iframe>

</body>

</html>
```

Output :

YouTube Video in Web



<label>Type of payment </label>

<select>

<option>Cash</option>

<option>Credit/Debit Card</option>

<option>Coupons</option>

</select>

<input type="submit" value="Book">

</form>

</body>

</html>

Output :

Create a web page of customer profile for data entry of customer's in a Hotel, The profile should include Name, Address, Age, gender, Room Type (A/C, Non-A/C or Deluxe), Type of payment (Cash, Credit/Debit Card or Coupons).

Name	<input type="text"/>
Address	<input type="text"/>
Age	<input type="text"/>
gender	<input type="radio"/> Male <input type="radio"/> Female
Room type	<input type="text" value="A/C"/>
Type of payment	<input type="text" value="Cash"/>
<input type="button" value="Book"/>	

Practical-2

Objective 1: Create Box Shadow and text Shadow using CSS3..

Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Unit 2</title>
  <style>
    .box{
      background-color: rgb(38, 38, 38);
      width: 100px;
      height: 100px;
      box-shadow: 10px 7px #848484
    }
    .text{
      color:rgb(38, 38, 38);
      font-size: 32px;
      text-shadow: 5px 5px #848484;
    }
  </style>
</head>
<body>
  <h1>Box Shadow</h1>
  <div class="box"></div>
  <h1>Text Shadow</h1>
  <div class="text"><b>Shadow Text</b></div>
</body>
</html>
```

Output :

Box Shadow



Text Shadow

Shadow Text



Objective 2: Create Rounded Corners using css3.

Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Unit 2</title>
  <style>
    .box{
      background-color: rgb(15, 184, 196);
      width: 200px;
      height: 150px;
      border-radius: 20px;
    }
  </style>
</head>
<body>
  <h1>Rounded Corners</h1>
  <div class="box"></div>
</body>
</html>
```

Output :

Rounded Corners



Objective 3: Create a web page to show fixed background image (this image will not scroll with the rest of the page).

Source Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <title>Unit 2</title>

  <style>

    .div{

      background-color: rgb(255, 255, 255);

      color: rgb(255, 255, 255);

      -webkit-text-stroke-width: 2px;

      -webkit-text-stroke-color: black;

      font-size: 64px;

    }

    *{

      margin: 0;

      padding: 0;

      background-image: url('background.jpg');

      background-attachment: fixed;

      background-repeat: no-repeat;

    }

  </style>

</head>

<body>

  <div class="div">

    <b>Fixed Background Image Webpage</b>

  </div>

</body>

</html>
```


Output :

Fixed Background Image Webpage



Objective 4: Create a web page to position a background image and repeat the image horizontally or vertically.

Source Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <title>Unit 2</title>

  <style>

    .div{

      background-color: rgb(255, 255, 255);

      color: rgb(255, 255, 255);

      -webkit-text-stroke-width: 2px;

      -webkit-text-stroke-color: black;

      font-size: 64px;

    }

    *{

      margin: 0;

      padding: 0;

      background-image: url('background.jpg');

      background-repeat: repeat-y;

    }

  </style>

</head>

<body>

  <div class="div">

    <b>Repeat Background Image Webpage</b>

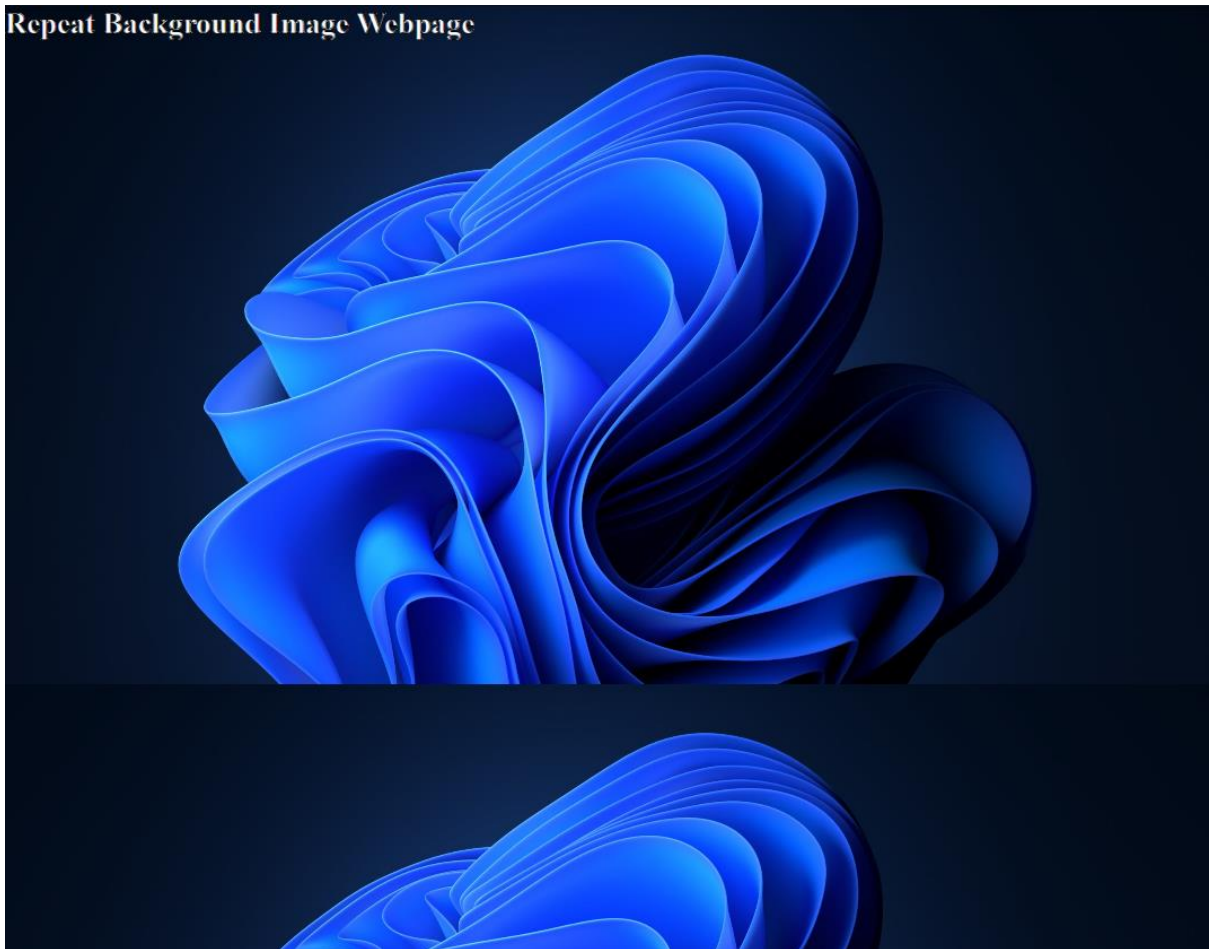
  </div>

</body>

</html>
```

Output :

Repeat Background Image Webpage



Objective 5: Create a web page to resize the background of web page.

Source Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <title>Unit 2</title>

  <style>

    .div{

      background-color: rgb(255, 255, 255);

      color: rgb(255, 255, 255);

      -webkit-text-stroke-width: 2px;

      -webkit-text-stroke-color: black;

      font-size: 64px;

    }

    *{

      margin: 0;

      padding: 0;

      background-image: url('background.jpg');

      background-size: 512px 512px;

      background-repeat: no-repeat;

    }

  </style>

</head>

<body>

  <div class="div">

    <b>Resized Background Image Webpage</b>

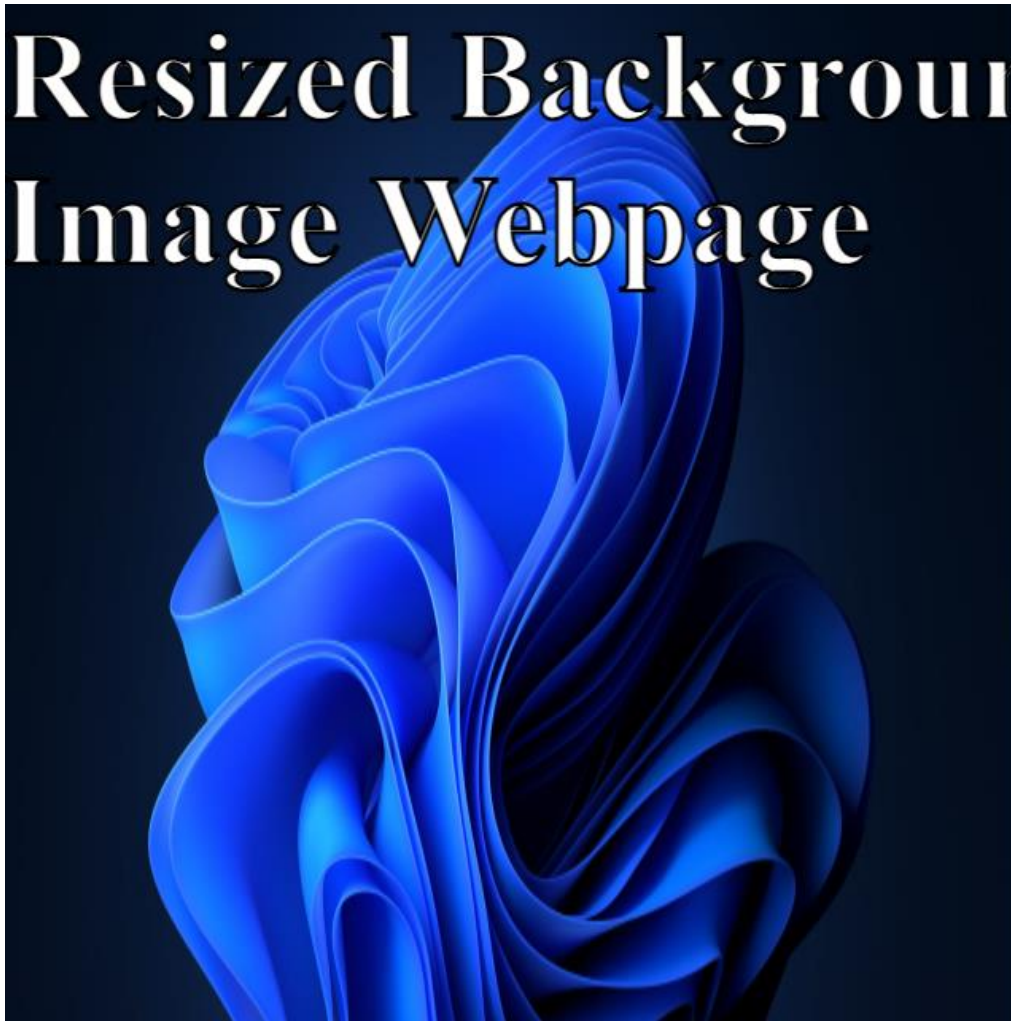
  </div>

</body>

</html>
```

Output :

Resized Background Image Webpage



Objective 6: Create a web page to show all hyperlinks with following specification:

Default color is pink.

Active color is blue.

Visited color is Green.

Hyperlink should be without underline.

Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Unit 2</title>
  <style>
    .a{
      text-decoration: none;
      color: blue;
    }
    a:link {
      color: pink;
    }
    a:active {
      color: blue;
    }
    a:visited {
      color: green;
    }
    *{
      margin: 0;
      padding: 0;
    }
  </style>
```

```
</head>
<body>
  <div>
    <h1>Hyperlinks</h1>
    <a href="https://www.google.com/">Default</a>
    <a href="https://www.microsoft.com/">Active</a>
    <a href="https://student.gehu.ac.in/">Visited</a>
  </div>
</body>
</html>
```

Output :



Hyperlinks

Default

Active

Visited

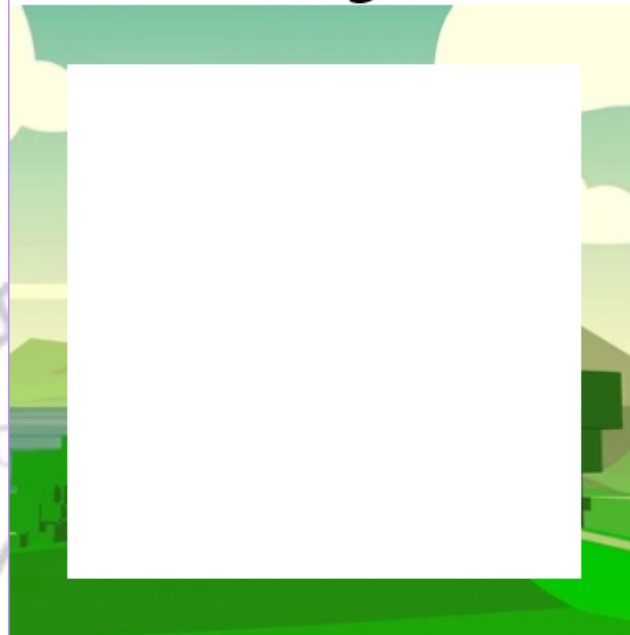
Objective 7: Design a web page to show border image.

Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Unit 2</title>
  <style>
    .div{
      background-color: rgb(255, 255, 255);
      width: 256px;
      height: 256px;
      border: 30px solid transparent;
      border-image: url(border.png) 30 round;
    }
    *{
      margin: 0;
      padding: 0;
    }
  </style>
</head>
<body>
  <h1>Border Image</h1>
  <div class="div"> </div>
</body>
</html>
```

Output :

Border Image



Objective 8: Design a web page to show different border style.

Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Unit 2</title>
  <style>
    div{
      margin-top: 40px;
    }
    p{
      font-size: 08px;
    }
    .b1{
      width: 512px;
      height: 128px;
      border: 10px solid black;
      border-radius: 50%;
      text-align: center;
    }
    .b2{
      width: 512px;
      height: 128px;
      border: 5px dashed red;
      text-align: left;
      border-end-end-radius: 50px;
    }
    .b3{
      width: 512px;
```

```
height: 128px;
border: 2px solid black;
border-width: 5px 7px 5px 10px;
text-align: left;
border-start-end-radius: 50px;
}
```

```
.b4{
width: 512px;
height: 128px;
border: 4px solid black;
border-left-style: dotted;
border-bottom-style: dashed;
border-right-style: double;
border-start-start-radius: 50px;
text-align: left;
}
```

```
*{
margin:0;
padding: 0;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

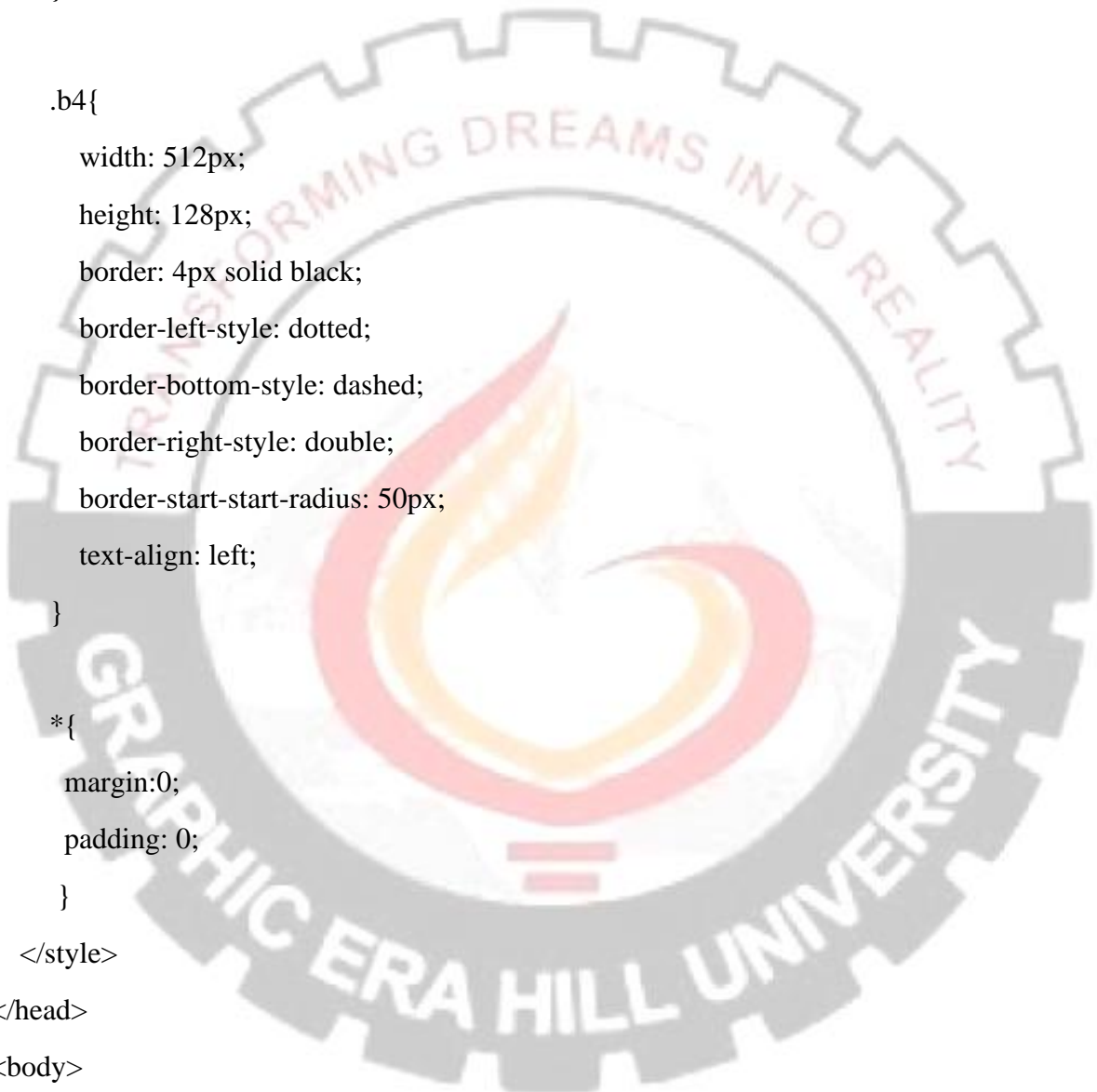
```
<h1>Border</h1>
```

```
<div class="b1">
```

```
<h3>Border B1</h3>
```

```
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit</p>
```

```
</div>
```



```
<div class="b2">
```

```
  <h3>Border B2</h3>
```

```
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit</p>
```

```
</div>
```

```
<div class="b3">
```

```
  <h3>Border B3</h3>
```

```
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit</p>
```

```
</div>
```

```
<div class="b4">
```

```
  <h3>Border B4</h3>
```

```
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit</p>
```

```
</div>
```

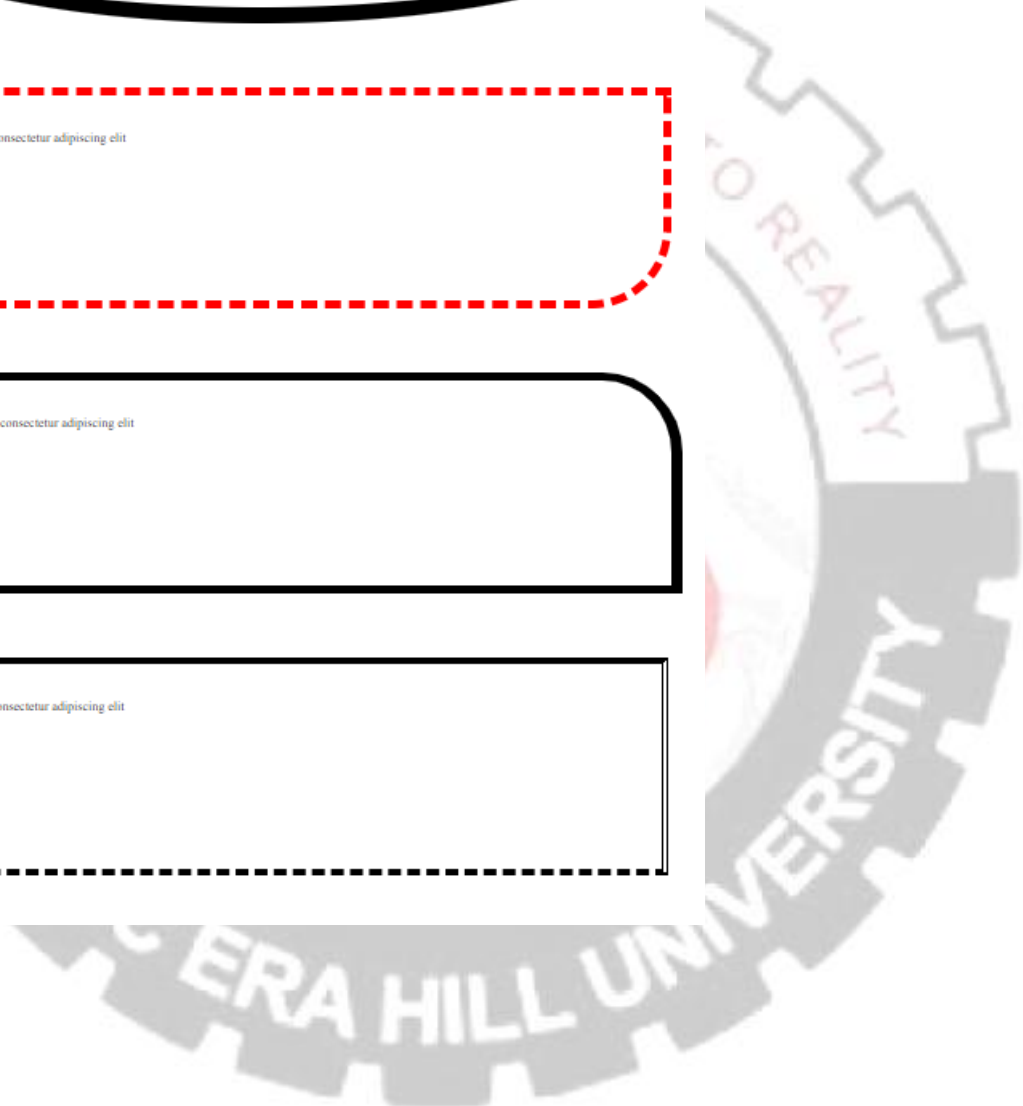
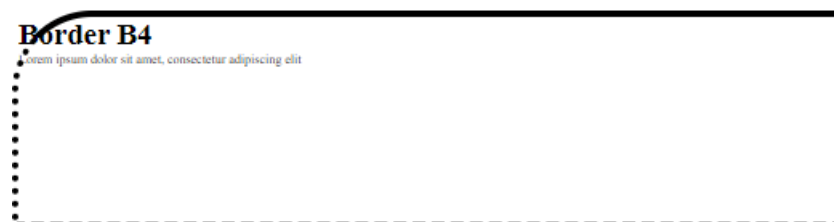
```
</body>
```

```
</html>
```



Output :

Border



Objective 9: Design a web page using CSS which includes the following:

- Use different font styles
- Set background image for both the page and single elements on page.
- Control the repetition of image with background-repeat property
- Add customized cursors for links. LAYER2
- Work with layers.

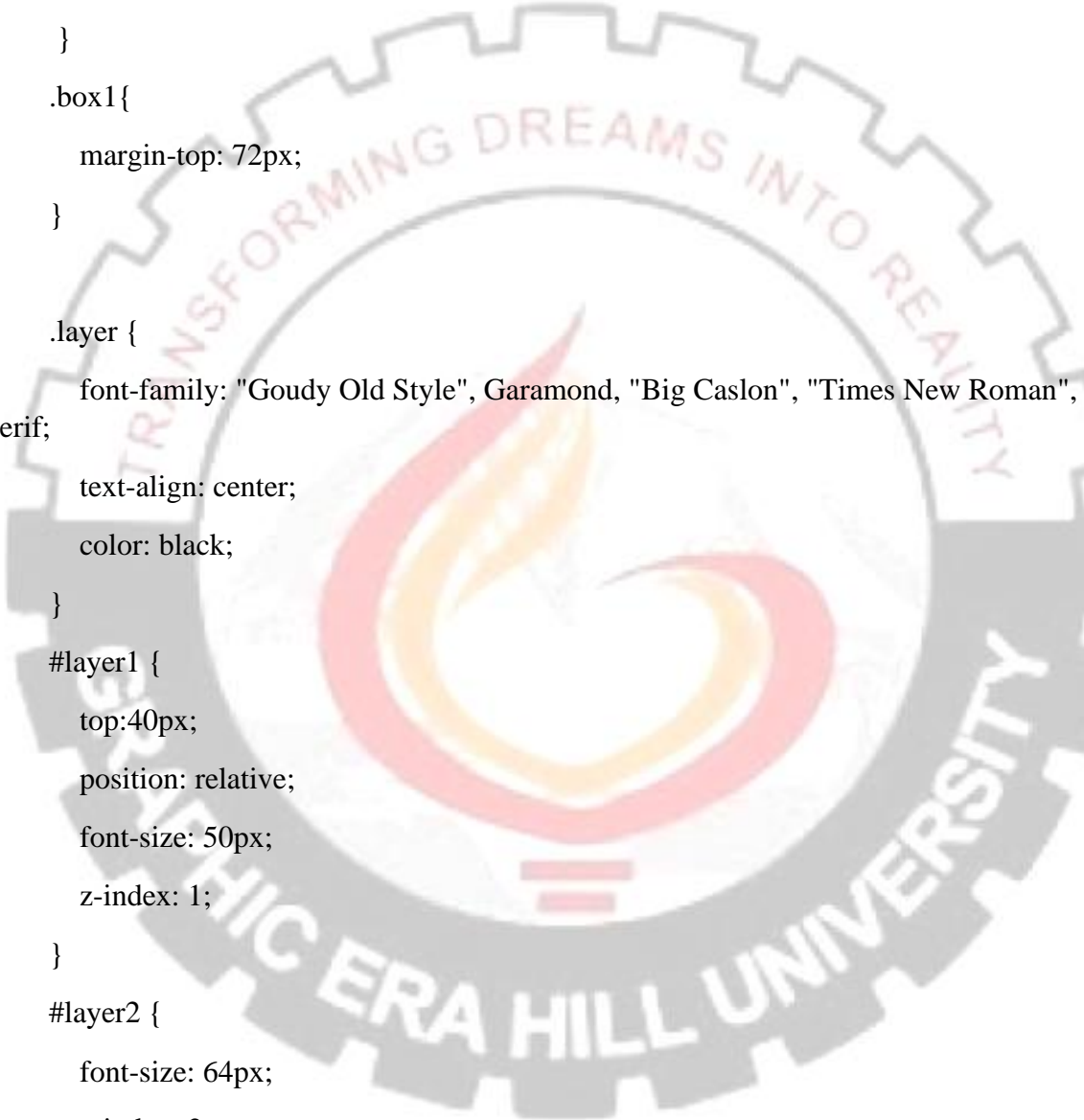
Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Unit 2</title>
  <style>
    *{
      margin:0;
      padding: 0;
      text-align: center;
    }
    .tex{
      text-align: left;
      color: white;
      font-family: 'Chiller', sans-serif;
      font-size: 22px;
    }
    body{
      background-image: url(career.jpg);
      background-repeat: repeat-y;
    }
    .text_{
      width: 100%;
      height: 50px;
```

```
background-color: rgb(21, 18, 51);
margin-top: 70px;
}
.link_{
margin-top: 20px;
font-size: 20px;
}
.box1{
margin-top: 72px;
}

.layer {
font-family: "Goudy Old Style", Garamond, "Big Caslon", "Times New Roman",
serif;
text-align: center;
color: black;
}
#layer1 {
top:40px;
position: relative;
font-size: 50px;
z-index: 1;
}
#layer2 {
font-size: 64px;
z-index: 2;
}

@import url('https://fonts.cdnfonts.com/css/chiller');
</style>
<link href="https://fonts.cdnfonts.com/css/chiller" rel="stylesheet">
</head>
```

The logo of Graphic Era Hill University is a circular emblem. It features a large, stylized flame in the center, rendered in shades of orange, yellow, and red. The flame is set against a white background. Surrounding the flame is a grey gear-like border. The text "TRANSFORMING DREAMS INTO REALITY" is written in a semi-circle above the flame, and "GRAPHIC ERA HILL UNIVERSITY" is written in a semi-circle below it. The entire logo is faintly visible in the background of the code block.

```

<body>
  <h1>Web Page Using CSS</h1>
  <div class="text_">
    <p class="tex">Welcome to Web Page using CSS where CSS means Cascading Style
    Sheets
      using CSS we can apply the common styles to different tags and also different
      styles to the same tag i.e respected name that were in html file
    </p>
  </div>
  <div class="link_">
    <a href="/">Register</a>
  </div>
  <div class="box1">
    <div class="layer" id="layer1"><u>LAYER1</u></div>
    <div class="layer" id="layer2"><u>LAYER2</u></div>
  </div>
  <div class="layer" id="layer1"><u>LAYER1</u></div>
  <div class="layer" id="layer2"><u>LAYER2</u></div>
</body>
</html>

```

Output :

Web Page Using CSS



Welcome to Web Page using CSS where CSS means Cascading Style Sheets using CSS we can apply the common styles to different tags and also different styles to the same tag i.e respected name that were in html file

[Register](#)



LAYER1
LAYER2

LAYER1
LAYER2

Objective 10: Create a web page to show transition effect in such a way so that elements gradually change from one style to another style.

Source Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <title>Unit 2</title>

  <style>

    *{

      margin-left: 10px;

      padding: 0;

    }

    .box {

      display: block;

      width: 100px;

      height: 100px;

      background-color: #272727;

      transition: width 2s, height 2s, background-color 2s, rotate 2s, border-radius 1s;

    }

    .box:hover {

      background-color: #04d7c2;

      width: 200px;

      height: 200px;

      rotate: 180deg;

      border-radius: 50%;

    }

    .box:active {

      background-color: #540392;

      width: 300px;
```



```
        height: 256px;
        rotate: 180deg;
        border-radius: 20%;
    }
</style>
</head>
<body>
    <h1>Transition Web Page</h1>
    <div class="box"></div>
</body>
</html>
```



Output :

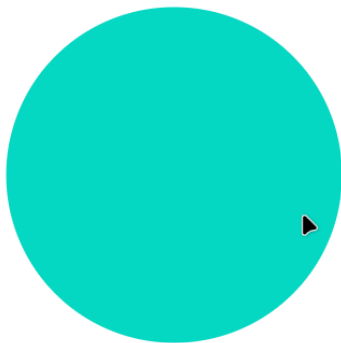
Default:

Transition Web Page



On Hover:

Transition Web Page



On Active:

Transition Web Page

