



CS255 LAB REPORT

Submitted by:

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B23CS023

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OBJECTIVE 1

Create your own portfolio using HTML. Using the mentioned tags in the page is must.

Within the body use the following tags:

- ② Moving text " Welcome to my portfolio"
- ② Different heading tags (H1-H6).
- ② Paragraph, Horizontal line, Line Break
- ② Pre tag <pre>
- ② Different Logical Style (,<sub>,<sup>,...)
- ② Different Physical style (<strike>,)
- ② Listing tags
- ② Special tags
- ② Attributes, metadata
- ② Web page Icon

HTML CODE:

```
<html>
<head>
<title> My Portfolio </title>
<body bgcolor="#90D1C8">
<h1><marquee bgcolor="226b80"><font color="Black"> Welcome to my
Portfolio!!!</font></marquee></h1>
<hr style="width: 900px"/> <center>
<h2><u><font color="Black">Here are some things about me:</font></u><
/h2></center>
Hi, My name is <b><i>KERBORLANG KHYRIEM</i></b>
<br> I was born on the 24<sup>th</sup> of Feburary, 2005. <br>
I am currently pursuing my B. Tech Degree in <i>Computer Science and
Engineering</i> at <i>NIT Meghalaya</i>.<br>
<br>
<h3>Contact Details:</h3>
E-mail ID: <b>b23cs023@nitm.ac.in</b> Contact No.: <b>6009012785</b>
This website is basically one of my
Web Development project which is built
using HTML only.
Here one can also find ideas for
projects in different languages.
<br>
Thanks again for reading this, because of people like you, it exists and prospers!
</h4> <h5>
I do my work mainly in :
<br>
1. C-Language
<br>
```

2. C++

3. JAVA

4. C++ and Data Structure

& Algorithm are my stronger section. Besides these I know Web Development, LINUX and database as well.

</h5>

<h6>

Thanks for your time,for visiting this website.

</h6>

This is a _{exam}ple of _{sub}script and ^{Super}script

<pre> <h4>

</body> </html>

<strike>Have a great day ahead...</strike>

file:///Users/bahunlinkhyriem/Desktop/b23cs023/a.html

Welcome to my Portfolio!!!

Here are some things about me:

Hi, My name is **KERBORLANG KHYRIEM**
I was born on the 24th of February, 2005.
I am currently pursuing my B. Tech Degree in *Computer Science and Engineering* at NIT Meghalaya.

Contact Details:

E-mail ID: **b23cs023@nitm.ac.in**
Contact No.: **6009012785**

This website is basically one of my Web Development project which is built using HTML only. Here one can also find ideas for projects in different languages.

Thanks again for reading this, because of people like you, it exists and prospers!

I do my work mainly in :

1. C-Language
2. C++
3. JAVA

4. C++ and Data Structure & Algorithm are my stronger section. Besides these I know Web Development, LINUX and database as well.

file:///Users/bahunlinkhyriem/Desktop/b23cs023/a.html

Contact Details:

E-mail ID: **b23cs023@nitm.ac.in**
Contact No.: **6009012785**

This website is basically one of my Web Development project which is built using HTML only. Here one can also find ideas for projects in different languages.

Thanks again for reading this, because of people like you, it exists and prospers!

I do my work mainly in :

1. C-Language
2. C++
3. JAVA

4. C++ and Data Structure & Algorithm are my stronger section. Besides these I know Web Development, LINUX and database as well.

Thanks for your time, for visiting this website.

This is a example of subscript and Superscript
Have-a-great-dey-ahendrrr



OBJECTIVE 2:

Assignment 2: Working with images and tables. Creating the given table in HTML using table tags. Inserting images inside HTML frames and setting up various properties.

| day | schedule | | topic |
|-----------|------------|------------|---|
| | begin | end | |
| | | | |
| Monday | 8:00 a.m. | 5:00 p.m. | Introduction to XML
Validity: DTD and Relax NG |
| Tuesday | 8:00 a.m. | 11:00 a.m. | XPath |
| | 11:00 a.m. | 2:00 p.m. | XSL Transformatics |
| | 2:00 p.m. | 5:00 p.m. | |
| Wednesday | 8:00 a.m. | 12:00 p.m. | XSL Formatting Objects |
| Thursday | 8:00 a.m. | 5:00 p.m. | Introduction to XML
Validity: DTD and Relax NG |
| | 11:00 a.m. | 1:00 p.m. | XPath |
| | 2:00 p.m. | 5:00 p.m. | |
| Friday | 8:00 a.m. | 11:00 a.m. | XSL Transformatics |
| | 11:00 a.m. | 2:00 p.m. | |
| | 2:00 p.m. | 5:00 p.m. | |

HTML CODE

```
<html>
<head>
<title> Table</title> </head>
<body>
<pre><h2><font color=""> TABLE</font></u></h2></pre>
<u>
<table border=1 background="ocean.jpg">
<tr>
<h1><i><th rowspan=3>Day</th></i></h1>
<th colspan=3 align='center'> Seminar </th> </tr>
<tr>
<th colspan=2> Schedule </th> <th rowspan=2> Topic </th> </tr>
<tr>
<th style='background-color: rgb(255, 196, 196)'> Begin </th> <th style=' backgroundcolor: rgb(255, 196, 196)'> End </th> </tr>
<tr>
<td rowspan=2> Monday </td>
<td rowspan=2 style='background-color: rgb(0, 255, 47)'> 8:00 am </td>
<td rowspan=2 style='background-color: rgb(50, 205, 205)'> 5:00 pm </td> <td>
Introduction to XML</td>
</tr>
<tr>
<td>Validity: DTD and Relax NG</td> </tr>
<tr>
<td rowspan=3> Tuesday </td>
<td style='background-color: rgb(32, 218, 147)'> 8:00 am </td> <td style=' backgroundcolor: rgb(32, 206, 218)'> 11:00 am </td> <td> XPath</td>
</tr>
<tr>
```

```
<td style='background-color: rgb(255, 0, 0)'> 11:00 am </td> <td style=' background-color: rgb(243, 255, 6)'> 2:00 pm </td> <td rowspan=2> XSL  
Transformatics</td>  
</tr>  
  
<tr>  
  <td style='background-color: rgb(205, 187, 50)'> 2:00 pm </td> <td style=' backgroundcolor: rgb(0, 247, 255)'> 5:00 pm </td> </tr>  
  
<tr>  
  <td> Wednesday </td>  
  <td style='background-color: rgb(136, 116, 248)'> 8:00 am </td> <td style=' backgroundcolor: rgb(138, 165, 85)'> 12:00 pm </td> <td> XSL Formatting Objects </td>  
</tr>  
  
<tr>  
  <td rowspan=2> Thursday </td>  
  <td rowspan=2 style='background-color: rgb(0, 255, 217)'> 8:00 am </td> <td  
  rowspan=2 style='background-color: rgb(160, 95, 95)'> 5:00 pm </td> <td> Introduction to  
  XML</td>  
  </tr>  
  
<tr>  
  <td>Validity: DTD and Relax NG</td> </tr>  
  
<tr>  
  <td rowspan=3> Friday </td>  
  <td style='background-color: rgb(110, 246, 155)'> 8:00 am </td> <td style='  
  background-color: rgb(0, 208, 255)'> 11:00 am </td> <td> XPath</td>  
  </tr> <tr>  
    <td style='background-color: rgb(8, 0, 255)'> 11:00 am </td> <td style=' background-color: rgb(255, 242, 0)'> 2:00 pm </td> <td rowspan=2> XSL  
    Transformatics</td>  
  </tr>  
  <tr>
```

```

<td style='background-color: rgb(0, 255, 132)'> 2:00 pm </td> <td style=' backgroundcolor: rgb(255, 72, 0)'> 5:00 pm </td> </tr>

</table> </body>

</html>

```

Table

File C:/Users/user/OneDrive/Desktop/ker.html

TABLE

<u>Day</u>	<u>Schedule</u>		<u>Topic</u>
	<u>Begin</u>	<u>End</u>	
Monday	8:00 am	5:00 pm	Introduction to XML Validity: DTD and Relax NG
Tuesday	8:00 am	11:00 am	XPath
	11:00 am	2:00 pm	XSL Transformatics
Wednesday	8:00 am	12:00 pm	XSL Formatting Objects
Thursday	8:00 am	5:00 pm	Introduction to XML Validity: DTD and Relax NG
	8:00 am	11:00 am	XPath
Friday	11:00 am	2:00 pm	XSL Transformatics
	2:00 pm	5:00 pm	

20°C
Mostly cloudy

Search

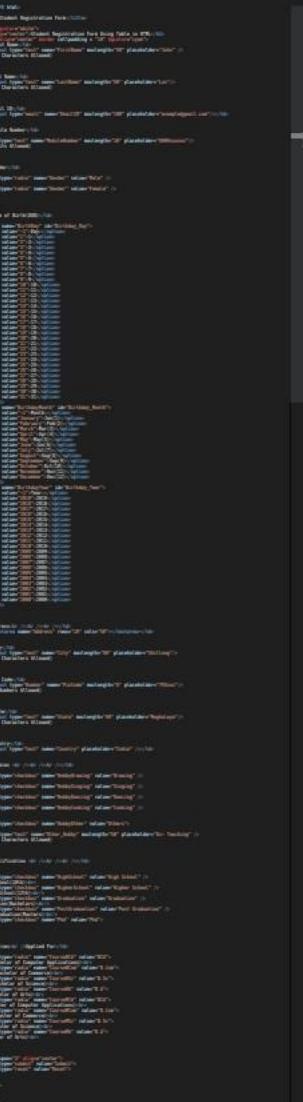
OBJECTIVE 3:

Assignment 3: Creating a Student Registration HTML form. The details asked should be:
First-Name, Last-Name, Email ID, Mobile Number, Address, Hobbies, Course, Gender,
Date-of-Birth, etc.

First Name	Ghanendra	(Max 50 Characters Allowed)
Last Name	Yadav	(Max 50 Characters Allowed)
Email ID	yghanendra@gmail.com	
Mobile Number	7842xxxxxx	(10 Digits Allowed)
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female	
Date of Birth(DOB)	Day: <input type="button" value="▼"/> Month: <input type="button" value="▼"/> Year: <input type="button" value="▼"/>	
Address		
City	Bangalore	(Max 50 Characters Allowed)
Pin Code	560068	(Max 6 Numbers Allowed)
State	Karnataka	(Max 50 Characters Allowed)
Country	India	
Hobbies	<input checked="" type="checkbox"/> Drawing <input checked="" type="checkbox"/> Singing <input checked="" type="checkbox"/> Dancing <input checked="" type="checkbox"/> Sketching <input checked="" type="checkbox"/> Others Ex-Teaching (Max 50 Characters Allowed)	
Qualification	<input checked="" type="checkbox"/> High School(10th) <input checked="" type="checkbox"/> Higher School(12th) <input checked="" type="checkbox"/> Graduation(Bachelors) <input checked="" type="checkbox"/> Post Graduation(Masters) <input checked="" type="checkbox"/> Phd <input checked="" type="checkbox"/> BCA(Bachelor of Computer Applications) <input checked="" type="checkbox"/> B.Com(Bachelor of Commerce) <input checked="" type="checkbox"/> B.Sc(Bachelor of Science) <input checked="" type="checkbox"/> BA(Bachelor of Arts) <input checked="" type="checkbox"/> MCA(Master of Computer Applications) <input checked="" type="checkbox"/> M.Com(Master of Commerce) <input checked="" type="checkbox"/> M.Sc(Master of Science) <input checked="" type="checkbox"/> MA(Master of Arts)	
Courses Applied For		

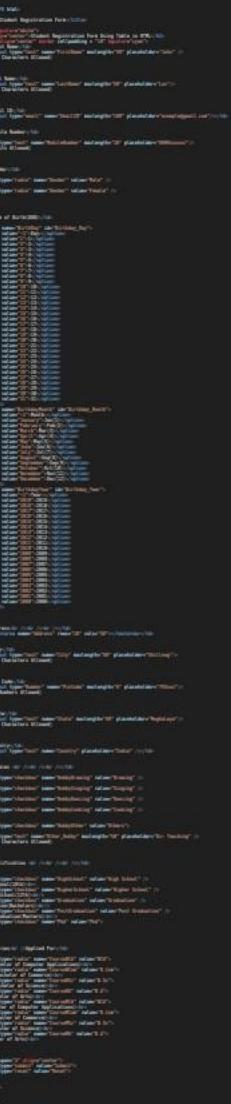
Users > bahunlinkhyriem > Desktop > HTml > embanform.html > body > table > tr > td

```
1  <!DOCTYPE html>
2  <head>
3  <title>Student Registration Form</title>
4  </head>
5  <body bgcolor="white">
6  <h2 align="center">Student Registration Form Using Table in HTML</h2>
7  <table align="center" border cellpadding = "10" bgcolor="cyan">
8  <td>First Name</td>
9  <td><input type="text" name="FirstName" maxlength="50" placeholder="John" />
10 (Max 50 Characters Allowed)
11 </td>
12 </tr>
13 <tr>
14 <td>Last Name</td>
15 <td><input type="text" name="LastName" maxlength="50" placeholder="Luv"/>
16 (Max 50 Characters Allowed)
17 </td>
18 </tr>
19 <tr>
20 <td>Email ID</td>
21 <td><input type="email" name="EmailID" maxlength="100" placeholder="example@gmail.com"/></td>
22 </tr>
23 <tr>
24 <td>Mobile Number</td>
25 <td>
26 <input type="text" name="MobileNumber" maxlength="10" placeholder="6009xxxxxx"/>
27 (10 Digits Allowed)
28 </td>
29 </tr>
30 <tr>
31 <td>Gender</td>
32 <td>
33 <input type="radio" name="Gender" value="Male" />
34 Male
35 <input type="radio" name="Gender" value="Female" />
36 Female
37 </td>
38 </tr>
39 <tr>
40 <td>Date of Birth(DOB)</td>
41 <td>
42 <select name="BirthDay" id="Birthday_Day">
43 <option value="-1">Day:</option>
44 <option value="1">1</option>
45 <option value="2">2</option>
46 <option value="3">3</option>
```



Users > bahunlinkhyriem > Desktop > HTmI > < embanform.html > body > table > tr > td

```
46    <option value="3">3</option>
47    <option value="4">4</option>
48    <option value="5">5</option>
49    <option value="6">6</option>
50    <option value="7">7</option>
51    <option value="8">8</option>
52    <option value="9">9</option>
53    <option value="10">10</option>
54    <option value="11">11</option>
55    <option value="12">12</option>
56    <option value="13">13</option>
57    <option value="14">14</option>
58    <option value="15">15</option>
59    <option value="16">16</option>
60    <option value="17">17</option>
61    <option value="18">18</option>
62    <option value="19">19</option>
63    <option value="20">20</option>
64    <option value="21">21</option>
65    <option value="22">22</option>
66    <option value="23">23</option>
67    <option value="24">24</option>
68    <option value="25">25</option>
69    <option value="26">26</option>
70    <option value="27">27</option>
71    <option value="28">28</option>
72    <option value="29">29</option>
73    <option value="30">30</option>
74    <option value="31">31</option>
75  </select>
76  <select name="BirthdayMonth" id="Birthday_Month">
77    <option value="-1">Month:</option>
78    <option value="January">Jan(1)</option>
79    <option value="February">Feb(2)</option>
80    <option value="March">Mar(3)</option>
81    <option value="April">Apr(4)</option>
82    <option value="May">May(5)</option>
83    <option value="June">Jun(6)</option>
84    <option value="July">Jul(7)</option>
85    <option value="August">Aug(8)</option>
86    <option value="September">Sep(9)</option>
87    <option value="October">Oct(10)</option>
88    <option value="November">Nov(11)</option>
89    <option value="December">Dec(12)</option>
90  </select>
```



Users > bahunlinkhyriem > Desktop > HTmI > < embanform.html > body > table > tr > td

```
89    <option value="December">Dec(12)</option>
90  </select>
91  <select name="BirthdayYear" id="Birthday_Year">
92  <option value="-1">Year:</option>
93  <option value="2019">2019</option>
94  <option value="2018">2018</option>
95  <option value="2017">2017</option>
96  <option value="2016">2016</option>
97  <option value="2015">2015</option>
98  <option value="2014">2014</option>
99  <option value="2013">2013</option>
100 <option value="2012">2012</option>
101 <option value="2011">2011</option>
102 <option value="2010">2010</option>
103 <option value="2009">2009</option>
104 <option value="2008">2008</option>
105 <option value="2007">2007</option>
106 <option value="2006">2006</option>
107 <option value="2005">2005</option>
108 <option value="2004">2004</option>
109 <option value="2003">2003</option>
110 <option value="2002">2002</option>
111 <option value="2001">2001</option>
112 <option value="2000">2000</option>
113 </select>
114 </td>
115 </tr>
116 <tr>
117 <td>Address<br /><br /><br /></td>
118 <td><textarea name="Address" rows="10" cols="50"></textarea></td>
119 </tr>
120 <tr>
121 <td>City</td>
122 <td><input type="text" name="City" maxlength="50" placeholder="Shillong"/>
123 (Max 50 Characters Allowed)
124 </td>
125 </tr>
126 <tr>
127 <td>Pin Code</td>
128 <td><input type="Number" name="PinCode" maxlength="6" placeholder="793xxx"/>
129 (Max 6 Numbers Allowed)
130 </td>
131 </tr>
132 <tr>
133 <td>State</td>
134 <td><input type="text" name="State" maxlength="50" placeholder="Meghalaya"/>
```



```
Users > bahunlinkhyriem > Desktop > HTml > < embanform.html > body > table > tr > td
117  <td>Address<br /><br /><br /></td>
118  <td><textarea name="Address" rows="10" cols="50"></textarea></td>
119  </tr>
120  <tr>
121  <td>City</td>
122  <td><input type="text" name="City" maxlength="50" placeholder="Shillong"/>
123  (Max 50 Characters Allowed)
124  </td>
125  </tr>
126  <tr>
127  <td>Pin Code</td>
128  <td><input type="Number" name="PinCode" maxlength="6" placeholder="793xxx"/>
129  (Max 6 Numbers Allowed)
130  </td>
131  </tr>
132  <tr>
133  <td>State</td>
134  <td><input type="text" name="State" maxlength="50" placeholder="Meghalaya"/>
135  (Max 50 Characters Allowed)
136  </td>
137  </tr>
138  <tr>
139  <td>Country</td>
140  <td><input type="text" name="Country" placeholder="India" /></td>
141  </tr>
142  <tr>
143  <td>Hobbies <br /><br /><br /></td>
144  <td>
145  <input type="checkbox" name="HobbyDrawing" value="Drawing" />
146  Drawing
147  <input type="checkbox" name="HobbySinging" value="Singing" />
148  Singing
149  <input type="checkbox" name="HobbyDancing" value="Dancing" />
150  Dancing
151  <input type="checkbox" name="HobbyCooking" value="Cooking" />
152  Cooking
153  <br />
154  <input type="checkbox" name="HobbyOther" value="Others">
155  Others
156  <input type="text" name="Other_Hobby" maxlength="50" placeholder="Ex- Teaching" />
157  (Max 50 Characters Allowed)
158  </td>
159  </tr>
160  <tr>
161  <td>Qualification <br /><br /><br /></td>
162  <td>
```



```
Users > bahunlinkhyriem > Desktop > HTml > embanform.html > body > table > tr > td
162
163 <br/>
164 <input type="checkbox" name="HighSchool" value="High School" />
165 High School(10th)<br/>
166 <input type="checkbox" name="HigherSchool" value="Higher School" />
167 Higher School(12th)<br/>
168 <input type="checkbox" name="Graduation" value="Graduation" />
169 Graduation(Bachelors)<br/>
170 <input type="checkbox" name="PostGraduation" value="Post Graduation" />
171 Post Graduation(Masters)<br/>
172 <input type="checkbox" name="Phd" value="Phd">
173 Phd
174 </td>
175 </tr>
176 <tr>
177 <td>Courses<br />Applied For</td>
178 <td>
179 <input type="radio" name="CourseBCA" value="BCA">
180 BCA(Bachelor of Computer Applications)<br/>
181 <input type="radio" name="CourseBCom" value="B.Com">
182 B.Com(Bachelor of Commerce)<br/>
183 <input type="radio" name="CourseBSc" value="B.Sc">
184 B.Sc(Bachelor of Science)<br/>
185 <input type="radio" name="CourseBA" value="B.A">
186 BA(Bachelor of Arts)<br/>
187 <input type="radio" name="CourseMCA" value="BCA">
188 MCA(Master of Computer Applications)<br/>
189 <input type="radio" name="CourseMCom" value="B.Com">
190 M.Com(Master of Commerce)<br/>
191 <input type="radio" name="CourseMSc" value="B.Sc">
192 M.Sc(Master of Science)<br/>
193 <input type="radio" name="CourseMA" value="B.A">
194 MA(Master of Arts)<br/>
195 </td>
196 </tr>
197 <tr>
198 <td colspan="2" align="center">
199 <input type="submit" value="Submit">
200 <input type="reset" value="Reset">
201 </td>
202 </tr>
203 </table>
204 </form>
205 </body>
206 </html>
```

Student Registration Form Using Table in HTML

First Name	<input type="text" value="John"/> (Max 50 Characters Allowed)
Last Name	<input type="text" value="Luv"/> (Max 50 Characters Allowed)
Email ID	<input type="text" value="example@gmail.com"/>
Mobile Number	<input type="text" value="6009xxxxxx"/> (10 Digits Allowed)
Gender	<input type="radio"/> Male <input type="radio"/> Female
Date of Birth(DOB)	Day: <input type="text"/> Month: <input type="text"/> Year: <input type="text"/>
Address	<input type="text"/>
City	<input type="text" value="Shillong"/> (Max 50 Characters Allowed)
Pin Code	<input type="text" value="793xxx"/> (Max 6 Numbers Allowed)
State	<input type="text" value="Meghalaya"/> (Max 50 Characters Allowed)
Country	<input type="text" value="India"/>
Hobbies	<input type="checkbox"/> Drawing <input type="checkbox"/> Singing <input type="checkbox"/> Dancing <input type="checkbox"/> Cooking <input type="checkbox"/> Others <input type="text" value="Ex- Teaching"/> (Max 50 Characters Allowed)

Address	
City	Shillong (Max 50 Characters Allowed)
Pin Code	793xxx (Max 6 Numbers Allowed)
State	Meghalaya (Max 50 Characters Allowed)
Country	India
Hobbies	<input type="checkbox"/> Drawing <input type="checkbox"/> Singing <input type="checkbox"/> Dancing <input type="checkbox"/> Cooking <input type="checkbox"/> Others Ex- Teaching (Max 50 Characters Allowed)
Qualification	<input type="checkbox"/> High School(10th) <input type="checkbox"/> Higher School(12th) <input type="checkbox"/> Graduation(Bachelors) <input type="checkbox"/> Post Graduation(Masters) <input type="checkbox"/> Phd
Courses Applied For	<input type="radio"/> BCA(Bachelor of Computer Applications) <input type="radio"/> B.Com(Bachelor of Commerce) <input type="radio"/> B.Sc(Bachelor of Science) <input type="radio"/> BA(Bachelor of Arts) <input type="radio"/> MCA(Master of Computer Applications) <input type="radio"/> M.Com(Master of Commerce) <input type="radio"/> M.Sc(Master of Science) <input type="radio"/> MA(Master of Arts)
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	



OBJECTIVE 4

4th September, 2024

- Linking multiple Webpages together. One page must open the table created in the previous assignment.
- Second task is to insert an image which has some element, on clicking over those elements their description should open in new webpage.

HTML CODE FOR LINKING WEBPAGES

```
<!DOCTYPE html>

<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Home</title>
<link href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;0,300;0,400;0,500;0,700;0,900;1,100;1,300;1,400;1,500;1,700;1,900&display=swap" rel="stylesheet">
</head>
<style>
body{
font-family: "Roboto", sans-serif;
display: flex;
flex-direction: column;
align-items: center;
background: linear-gradient(to bottom, #ccff99, #ff99cc);
height: 100vh;
text-align: center;
}
.content{
display: flex;
```

```
flex-direction: column;  
}  
  
h1{  
color: white;  
padding: 40px;  
}  
  
img{  
height: 300px;  
border-radius: 20px;  
object-fit: cover;  
margin-bottom: 20px;  
}  
  
a{  
background-color: #89CFF0;  
padding: 25px;  
padding-left: 70px;  
padding-right: 70px;  
border-radius: 20px;  
text-decoration: none;  
color: black;  
font-weight:450;  
font-size: 20px;  
margin-bottom: 2  
margin-bottom: 20px;
```

```
}

</style>

<body>

<div>

<h1>Home</h1>

</div>

<div class="content">

<a href="table.html">Table Assignment</a>

<br>



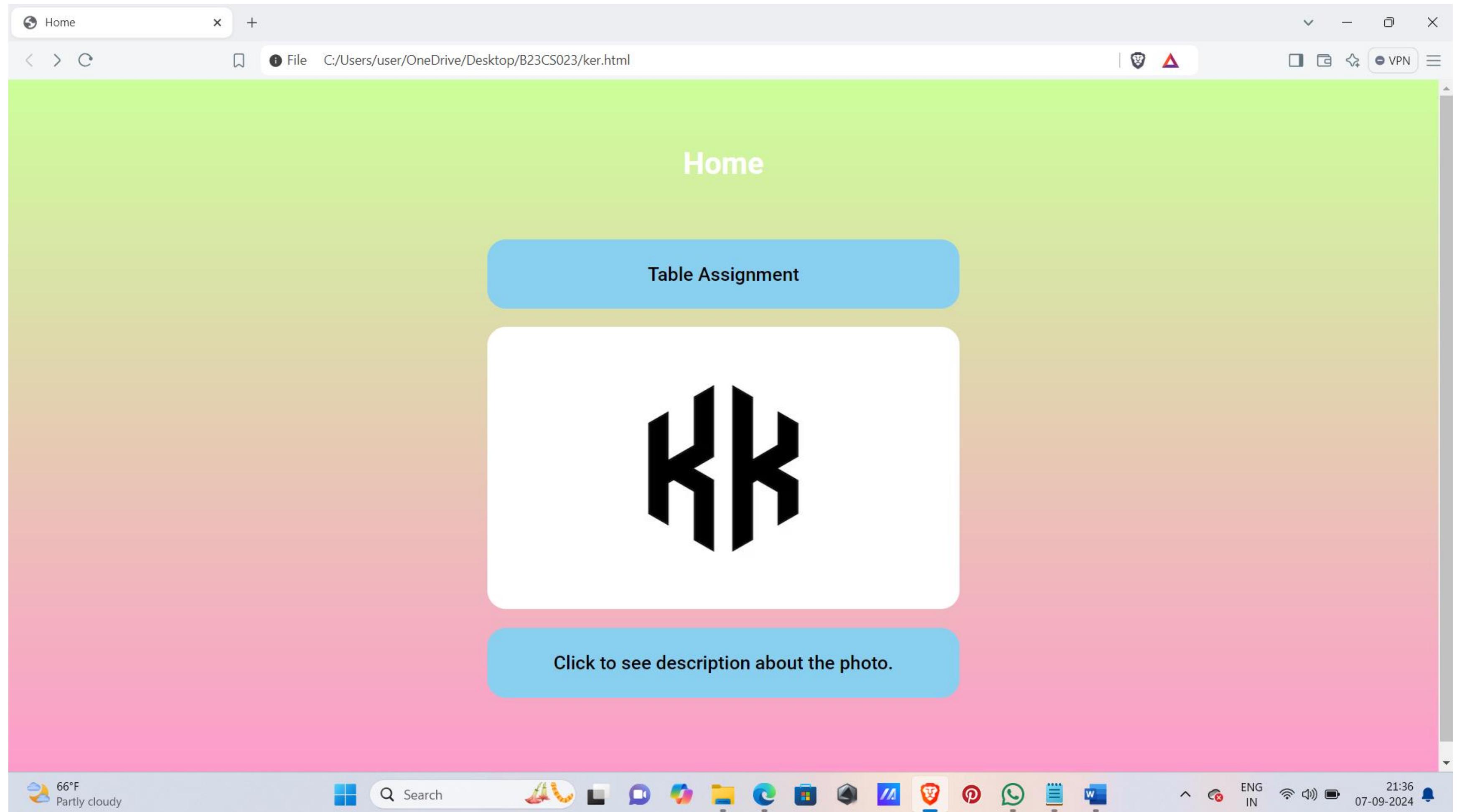
<a href="description.html">Click to see description about the photo.</a>

</div>

</body>

</html>
```

OUTPUT WEBPAGE



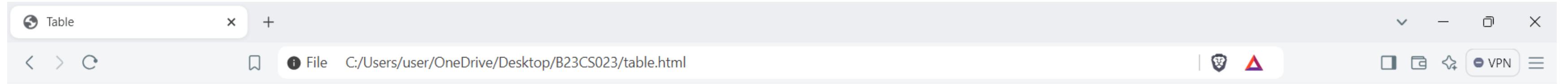
HTML CODE FOR TABLE PAGE

```
<html>
<head>
<title> Table</title>
<link
  href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;
  0,300;0,400;0,500;0,700;0,900;1,100;1,300;1,400;1,500;1,700;1,900&disp
  lay=swap" rel="stylesheet">
</head>
<body>
<a href="home.html" align="center"><h1>Go to Home </h1></a>
<pre><h2><font color=""> TABLE</font></u></h2></pre>
<u>
<table border=1 background="ocean.jpg">
<tr>
<th rowspan=3><h1><i>Day</i></i></th>
<th colspan=3 align='center'> Seminar </th> </tr>
<tr>
<th colspan=2> Schedule </th> <th rowspan=2> Topic </th> </tr>
<tr>
<th style='background-color: rgb(255, 196, 196)'> Begin </th> <th style='background-color: rgb(255, 196, 196)'> End </th> </tr>
<tr>
<td rowspan=2> Monday </td>
<td rowspan=2 style='background-color: rgb(0, 255, 47)'> 8:00 am </td>
```

```
<td rowspan=2 style='background-color: rgb(50, 205, 205)'> 5:00 pm </td> <td> Introduction to XML</td>
</tr>
<tr>
<td>Validity: DTD and Relax NG</td> </tr>
<tr>
<td rowspan=3> Tuesday </td>
<td style='background-color: rgb(32, 218, 147)'> 8:00 am </td> <td style='background-color: rgb(32, 206, 218)'> 11:00 am </td> <td> XPath</td>
</tr>
<tr>
<td style='background-color: rgb(255, 0, 0)'> 11:00 am </td> <td style='background-color: rgb(243, 255, 6)'> 2:00 pm </td> <td rowspan=2> XSL Transformatics</td>
</tr>
<tr>
<td style='background-color: rgb(205, 187, 50)'> 2:00 pm </td> <td style='background-color: rgb(0, 247, 255)'> 5:00 pm </td> </tr>
<tr>
<td> Wednesday </td>
<td style='background-color: rgb(136, 116, 248)'> 8:00 am </td> <td style='background-color: rgb(138, 165, 85)'> 12:00 pm </td> <td> XSL Formatting Objects </td>
</tr>
<tr>
<td rowspan=2> Thursday </td>
<td rowspan=2 style='background-color: rgb(0, 255, 217)'> 8:00 am </td> <td rowspan=2 style='background-color: rgb(160, 95, 95)'> 5:00 pm </td> <td> Introduction to XML</td>
</tr>
<tr>
```

```
<td>Validity: DTD and Relax NG</td> </tr>
<tr>
<td rowspan=3> Friday </td>
<td style='background-color: rgb(110, 246, 155)'> 8:00 am </td> <td style='background-color: rgb(0, 208, 255)'> 11:00 am </td> <td> XPath</td>
</tr>
<tr>
<td style='background-color: rgb(8, 0, 255)'> 11:00 am </td> <td style='background-color: rgb(255, 242, 0)'> 2:00 pm </td> <td rowspan=2> XSL Transformatics</td>
</tr>
<tr>
<td style='background-color: rgb(0, 255, 132)'> 2:00 pm </td> <td style='background-color: rgb(255, 72, 0)'> 5:00 pm </td> </tr>
</table>
</body>
</html>
```

OUTPUT WEBPAGE



[Go to Home](#)

TABLE

Day	Seminar		
	Schedule		
	Begin	End	
Monday	8:00 am	5:00 pm	Introduction to XML Validity: DTD and Relax NG
Tuesday	8:00 am	11:00 am	XPath
	11:00 am	2:00 pm	XSL Transformatics
Wednesday	8:00 am	12:00 pm	XSL Formatting Objects
Thursday	8:00 am	5:00 pm	Introduction to XML Validity: DTD and Relax NG
	8:00 am	11:00 am	XPath
Friday	11:00 am	2:00 pm	XSL Transformatics
	2:00 pm	5:00 pm	



HTML CODE FOR CREATING IMAGE DESCRIPTION PAGE

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Description</title>
<link
  href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;
  0,300;0,400;0,500;0,700;0,900;1,100;1,300;1,400;1,500;1,700;1,900&disp
  lay=swap" rel="stylesheet">
</head>
<style>
body{
  font-family: "Roboto", sans-serif;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  background: linear-gradient(to bottom, #ccff99,#ff99cc);
  height: 100vh;
  text-align: center;
}
img{
```

```
height: 360px;  
border-radius: 20px;  
object-fit: cover;  
margin-bottom: 20px;  
}  
  
.home{  
font-family: "Roboto", sans-serif;  
font-size: 20px;  
background-color:#80A3FF ;  
color: white;  
padding: 10px 30px 10px 30px;  
border-radius: 10px;  
margin-bottom: 30px;  
}  
  
a{  
text-decoration: none;  
}  
  
h1{  
color: white;  
width: 600px;  
}  
  
</style>  
  
<body>  
  
<a href="home.html">
```

```
<p class="home">Home</p>
</a>

<h3>This logo is actually my initails that is</h3> <h1><b> KERBORLANG KHYRIEM</b></h1><h3> and with the use of modern technology I made it into an actual logo.</h3>
<marquee><h2>Thank You.</h2></marquee>
</body>
</html>
```

OUTPUT WEBPAGE

Description

File C:/Users/user/OneDrive/Desktop/B23CS023/description.html

VPN

Home



This logo is actually my initials that is
KERBORLANG KHYRIEM
and with the use of modern technology I made it into an actual logo.

Thank You.

66°F Partly cloudy

Search

21:38 07-09-2024 ENG IN

OBJECTIVE 5

- Working with HTML div and ID. On the existing Webpage, create multiple divisions and classes. Apply CSS Box Model over the same. Implementing CSS IDs, classes and CSS Styling over the lists and tables.

HTML CODE FOR LINKING WEBPAGES

```
<!DOCTYPE html>

<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Home</title>
<link href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;0,300;0,400;0,500;0,700;0,900;1,100;1,300;1,400;1,500;1,700;1,900&display=swap" rel="stylesheet">
</head>
<style>
body{
font-family: "Roboto", sans-serif;
display: flex;
flex-direction: column;
align-items: center;
background: linear-gradient(to bottom, #ccff99, #ff99cc);
height: 100vh;
text-align: center;
}
.content{
display: flex;
```

```
flex-direction: column;  
}  
  
h1{  
color: white;  
padding: 40px;  
}  
  
img{  
height: 300px;  
border-radius: 20px;  
object-fit: cover;  
margin-bottom: 20px;  
}  
  
a{  
background-color: #89CFF0;  
padding: 25px;  
padding-left: 70px;  
padding-right: 70px;  
border-radius: 20px;  
text-decoration: none;  
color: black;  
font-weight:450;  
font-size: 20px;  
margin-bottom: 2  
margin-bottom: 20px;
```

```
}

</style>

<body>

<div>

<h1>Home</h1>

</div>

<div class="content">

<a href="table.html">Table Assignment</a>

<br>



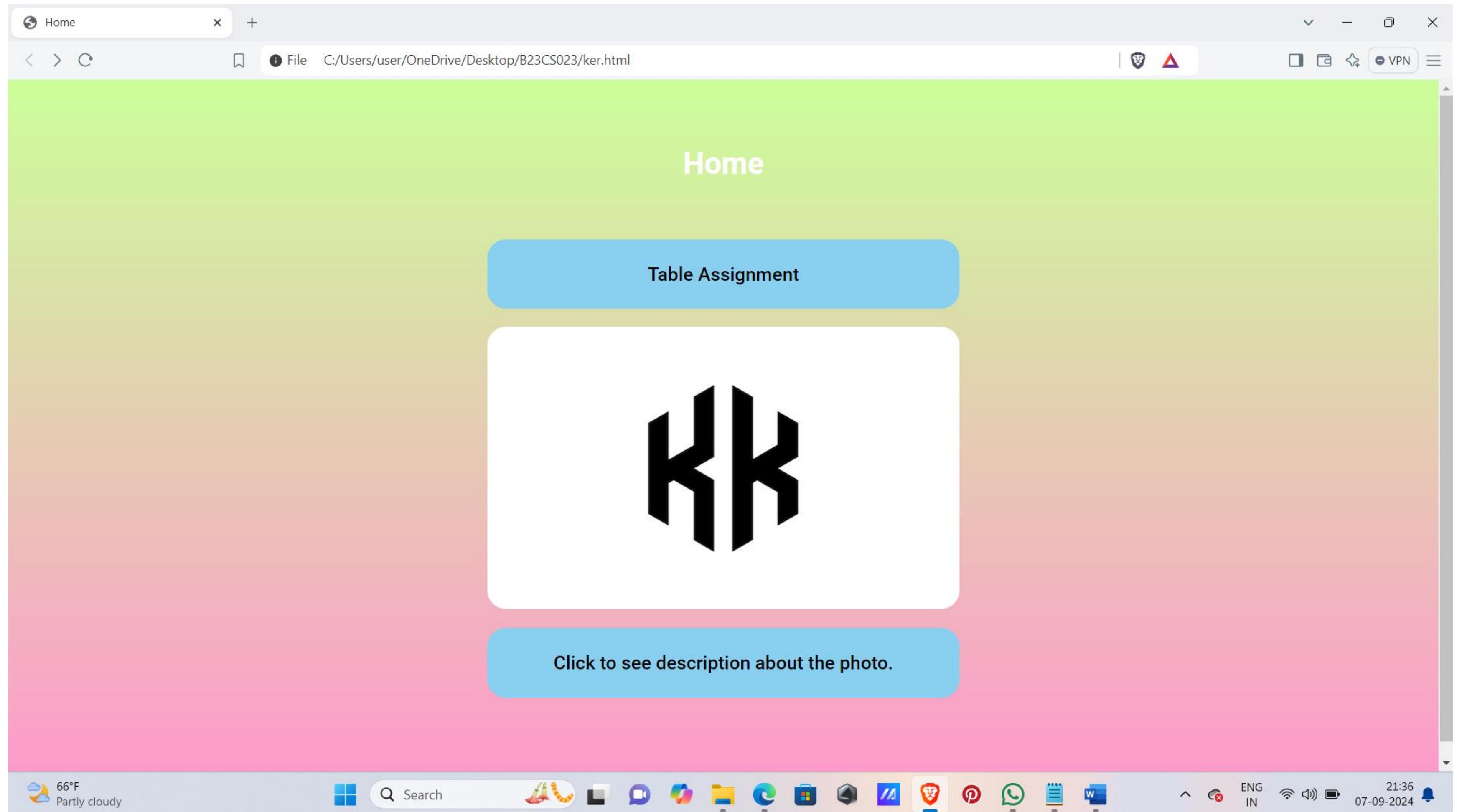
<a href="description.html">Click to see description about the photo.</a>

</div>

</body>

</html>
```

OUTPUT WEBPAGE



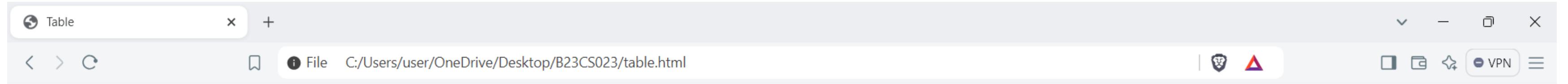
HTML CODE FOR TABLE PAGE

```
<html>
<head>
<title> Table</title>
<link
  href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;
  0,300;0,400;0,500;0,700;0,900;1,100;1,300;1,400;1,500;1,700;1,900&disp
  lay=swap" rel="stylesheet">
</head>
<body>
<a href="home.html" align="center"><h1>Go to Home </h1></a>
<pre><h2><font color=""> TABLE</font></u></h2></pre>
<u>
<table border=1 background="ocean.jpg">
<tr>
<th rowspan=3><h1><i>Day</i></i></th>
<th colspan=3 align='center'> Seminar </th> </tr>
<tr>
<th colspan=2> Schedule </th> <th rowspan=2> Topic </th> </tr>
<tr>
<th style='background-color: rgb(255, 196, 196)'> Begin </th> <th style='background-color: rgb(255, 196, 196)'> End </th> </tr>
<tr>
<td rowspan=2> Monday </td>
<td rowspan=2 style='background-color: rgb(0, 255, 47)'> 8:00 am </td>
```

```
<td rowspan=2 style='background-color: rgb(50, 205, 205)'> 5:00 pm </td> <td> Introduction to XML</td>
</tr>
<tr>
<td>Validity: DTD and Relax NG</td> </tr>
<tr>
<td rowspan=3> Tuesday </td>
<td style='background-color: rgb(32, 218, 147)'> 8:00 am </td> <td style='background-color: rgb(32, 206, 218)'> 11:00 am </td> <td> XPath</td>
</tr>
<tr>
<td style='background-color: rgb(255, 0, 0)'> 11:00 am </td> <td style='background-color: rgb(243, 255, 6)'> 2:00 pm </td> <td rowspan=2> XSL Transformatics</td>
</tr>
<tr>
<td style='background-color: rgb(205, 187, 50)'> 2:00 pm </td> <td style='background-color: rgb(0, 247, 255)'> 5:00 pm </td> </tr>
<tr>
<td> Wednesday </td>
<td style='background-color: rgb(136, 116, 248)'> 8:00 am </td> <td style='background-color: rgb(138, 165, 85)'> 12:00 pm </td> <td> XSL Formatting Objects </td>
</tr>
<tr>
<td rowspan=2> Thursday </td>
<td rowspan=2 style='background-color: rgb(0, 255, 217)'> 8:00 am </td> <td rowspan=2 style='background-color: rgb(160, 95, 95)'> 5:00 pm </td> <td> Introduction to XML</td>
</tr>
<tr>
```

```
<td>Validity: DTD and Relax NG</td> </tr>
<tr>
<td rowspan=3> Friday </td>
<td style='background-color: rgb(110, 246, 155)'> 8:00 am </td> <td style='background-color: rgb(0, 208, 255)'> 11:00 am </td> <td> XPath</td>
</tr>
<tr>
<td style='background-color: rgb(8, 0, 255)'> 11:00 am </td> <td style='background-color: rgb(255, 242, 0)'> 2:00 pm </td> <td rowspan=2> XSL Transformatics</td>
</tr>
<tr>
<td style='background-color: rgb(0, 255, 132)'> 2:00 pm </td> <td style='background-color: rgb(255, 72, 0)'> 5:00 pm </td> </tr>
</table>
</body>
</html>
```

OUTPUT WEBPAGE



Go to Home

TABLE

Day	Schedule		Topic
	Begin	End	
Monday	8:00 am	5:00 pm	Introduction to XML Validity: DTD and Relax NG
Tuesday	8:00 am	11:00 am	XPath
	11:00 am	2:00 pm	XSL Transformatics
Wednesday	8:00 am	12:00 pm	XSL Formatting Objects
Thursday	8:00 am	5:00 pm	Introduction to XML Validity: DTD and Relax NG
	8:00 am	11:00 am	XPath
Friday	11:00 am	2:00 pm	XSL Transformatics
	2:00 pm	5:00 pm	



HTML CODE FOR CREATING IMAGE DESCRIPTION PAGE

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Description</title>
<link
  href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;
  0,300;0,400;0,500;0,700;0,900;1,100;1,300;1,400;1,500;1,700;1,900&disp
  lay=swap" rel="stylesheet">
</head>
<style>
body{
  font-family: "Roboto", sans-serif;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  background: linear-gradient(to bottom, #ccff99,#ff99cc);
  height: 100vh;
  text-align: center;
}
img{
```

```
height: 360px;  
border-radius: 20px;  
object-fit: cover;  
margin-bottom: 20px;  
}  
  
.home{  
font-family: "Roboto", sans-serif;  
font-size: 20px;  
background-color:#80A3FF ;  
color: white;  
padding: 10px 30px 10px 30px;  
border-radius: 10px;  
margin-bottom: 30px;  
}  
  
a{  
text-decoration: none;  
}  
  
h1{  
color: white;  
width: 600px;  
}  
  
</style>  
  
<body>  
  
<a href="home.html">
```

```
<p class="home">Home</p>
</a>

<h3>This logo is actually my initails that is</h3> <h1><b> KERBORLANG KHYRIEM</b></h1><h3> and with the use of modern technology I made it into an actual logo.</h3>
<marquee><h2>Thank You.</h2></marquee>
</body>
</html>
```

OUTPUT WEBPAGE

Description

File C:/Users/user/OneDrive/Desktop/B23CS023/description.html

VPN

Home



This logo is actually my initials that is
KERBORLANG KHYRIEM
and with the use of modern technology I made it into an actual logo.

Thank You.

66°F Partly cloudy

Search

21:38 07-09-2024 ENG IN

OBJECTIVE 6

- Design question paper of ten questions of yourself using CSS styling (background, text format, fonts) and some CSS colours. Assume a proper format for the question paper. Inline and Embedded.

HTML CSS CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Question Paper</title>
<style>
/* Embedded CSS */
body {
    background-color:#f0f8ff;
    font-family: 'Arial', sans-serif; /* Font style */
    color: #333333; /* Text color */
    margin: 20px;
    padding: 20px;
}
.question-paper {
    background-color: #B0E0E6; /* White background for paper */
    padding: 20px;
    border: 2px solid #cccccc; /* Border around the question paper */
    border-radius: 10px;
}
h1 {
    text-align: center;
```

```
color: #0073e6; /* Header color */  
}  
.question {  
margin: 15px 0;  
}  
.question span {  
font-weight: bold; /* Bold question numbers */  
}  
.instructions {  
font-size: 1.1em;  
font-style: italic;  
color: #555555; /* Color for instructions */  
}  
</style>  
</head>  
<body>  
<div class="question-paper" style="font-size:20px;">  
<h1>Sample Question Paper</h1>  
<p class="instructions" style="font-size:30px;">Answer all questions. Each question carries equal marks.</p>  
  
<!-- Question 1 with inline CSS -->  
<div class="question">  
<span>1.</span> What is HTML and what is its purpose in web development?  
</div>
```

<!-- Question 2 with inline CSS -->

```
<div class="question">  
  <span>2.</span> What are HTML tags, and how do they work?  </div>
```

<!-- Question 3 -->

```
<div class="question">  
  <span>3.</span>What is CSS and how does it interact with HTML?  
</span>  
</div>
```

<!-- Question 4 -->

```
<div class="question">  
  <span>4.</span> How can you add a background image in CSS?  
</div>
```

<!-- Question 5 -->

```
<div class="question">  
  <span>5.</span>How does CSS model box work?  
</div>
```

<!-- Question 6 with inline CSS -->

```
<div class="question">  
  <span>6.</span> What are CSS selectors? Provide examples.
```

```
</div>
```

```
<!-- Question 7 -->
```

```
<div class="question">
```

```
    <span>7.</span> How do media queries work in CSS for responsive design?
```

```
</div>
```

```
<!-- Question 8 -->
```

```
<div class="question">
```

```
    <span>8.</span> What is the difference between margin and padding in CSS?
```

```
</div>
```

```
<!-- Question 9 -->
```

```
<div class="question">
```

```
    <span>9.</span> How can you apply a gradient background using CSS?
```

```
</div>
```

```
<!-- Question 10 -->
```

```
<div class="question">
```

```
    <span>10.</span> What is the role of the 'z-index' property in CSS?
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

OUTPUT WEBPAGE

ble Description Maxton Hall – The World Betw New Tab Sample Question Paper Question Paper × + - □ × C File C:/Users/user/OneDrive/Desktop/B23CS023/question%20paper2.html

Sample Question Paper

Answer all questions. Each question carries equal marks.

1. What is HTML and what is its purpose in web development?
2. What are HTML tags, and how do they work?
3. What is CSS and how does it interact with HTML?
4. How can you add a background image in CSS?
5. How does CSS model box work?
6. What are CSS selectors? Provide examples.
7. How do media queries work in CSS for responsive design?
8. What is the difference between margin and padding in CSS?
9. How can you apply a gradient background using CSS?
10. What is the role of the 'z-index' property in CSS?

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OBJECTIVE 7

- Insert various JavaScript syntax. Create dialog boxes using JavaScript and use them in the question paper created in last assignment.

HTML CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport"
content="width=device-width,
initial-scale=1.0" />
<link rel="stylesheet"
href=".style.css" />
<title>Code Quiz</title>
<link rel="icon" type="image/jpeg" href="NITM.jpeg"></link>
</head>
<body bgcolor = "lightblue" >
<div class="containerNew">
<header>
<div>
<a href=".highscore.html">
<button class="scores-header"
id="view-high-scores" style = " background-color : rgba(47, 203, 242, 0.377) ">
View High Scores
</button>
</a>
</div>
```

```
<div class="timer">  
<p>  
Time:  
<span id="timer">  
0  
</span>  
</p>  
</div>  
</header>  
<main class="quiz">  
<div id="quiz-start">  
<div class="landing"  
id="start-screen">  
<h1 id="top">  
INTERNET WEB TECHNOLOGY  
<span>  
SUBJECT CODE : CS255  
</span>  
</h1>  
<p style = "font-size : 15 px; font-family : Arial; color: CornflowerBlue"> Quiz Practice  
<p style = "font-size : 22px; font-family : Baskerville Old Face; color : DeepSkyBlue">  
Some Rules of this Quiz:  
</p>  
<div class = "container_1">
```

```
<p style = " text-align : left ; font-style : italic "> 1. You will have only <span style  
<p style = " text-align : left ; font-style : italic"> 2. Once you select your answer, it can't be <p style = " text-align : left ; font-style : italic "> 3. You can't select any option once the ti  
<p style = " text-align : left ; font-style : italic "> 4. You can't exit the Quiz while you're pl <p style = " text-align : left ; font-style : italic "> 5. You'll get points on the basis of your  
</div>  
<button id="start" style = " background-color : rgb(1, 2, 2) ">  
Start Quiz  
</button>  
</div>  
</div>  
<div class="hide" id="questions">  
<h2 id="question-words"></h2>  
<div class="options" id="options">  
</div>  
</div>  
<div class="hide" id="quiz-end">  
<h2>All Done!</h2>  
<p>Your final score is:  
<span id="score-final">  
</span>  
</p>  
<p>  
Please enter your name:  
<input type="text"  
id="name"
```

```
max="3" />

<button id="submit-score">
Submit
</button>
</p>
</div>

<div id="feedback"
class="feedback hide">
</div>
</main>
</div>

<script src=".//script.js"></script>
</body>
</html>
```

This code is for highscore.html-

```
<!DOCTYPE html>

<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport"
content="width=device-width,
initial-scale=1.0" />
<link rel="stylesheet"
href=".//style.css" />
```

```
<script src="./highScore.js"></script>

<title>Code Quiz - High Scores</title>
<link rel="icon" type="image/jpeg" href="NITM.jpeg"></link>
</head>

<body>
<div class="scores">
<h1>Highscores</h1>
<ol id="highscores"></ol>
<a href="index.html">
<button>
    Re-Start
</button>
</a>
<button id="clear">
    Clear Highscores
</button>
</div>
</body>
</html>
```

This code is for style.css-

```
* {
    font-family: Lucida Sans, Times, "Times New Roman", serif;
}
.quiz,
```

```
.scores {  
margin: 50px auto 0 auto;  
max-width: 400px;  
}  
  
#top {  
color: SlateBlue ;  
font-size : 25px;  
}  
  
.container_1{  
border : 1px solid Violet;  
border-style : dashed ;  
background-color : Gainsboro ;  
font-size : 10px ;  
}  
  
.containerNew {  
border: 0.5px solid;  
position: absolute;  
top: 50%;  
left: 50%;  
height: 580px;  
width: 50%;  
transform: translate(-50%, -50%);  
padding: 10px;  
background-color : white;
```

```
}
```

```
p {
```

```
margin: 15px 15px;
```

```
}
```

```
.landing {
```

```
text-align: center;
```

```
}
```

```
.scoresHeader {
```

```
position: absolute;
```

```
top: 15px;
```

```
left: 15px;
```

```
}
```

```
.timer {
```

```
position: absolute;
```

```
top: 15px;
```

```
right: 15px;
```

```
}
```

```
button {
```

```
display: inline-block;
```

```
margin: 10px;
```

```
cursor: pointer;
```

```
color: #fff;
```

```
background-color: #ffbc45;
```

```
border-radius: 5px;
```

```
border: 0;
padding: 20px;
}
button:hover {
background-color: #2a8d12;
}
.options button {
display: block;
}
input[type="text"] {
font-size: 100%;
}
.hide {
display: none;
}
.feedback {
font-style: bold;
font-size: 120%;
margin-top: 20px;
padding-top: 15px;
color: #fff;
border-top: 2px solid #4B0082;
}
ol {
```

```
padding-left: 15px;  
max-height: 600px;  
overflow: auto;  
}  
  
li {  
padding: 5px;  
list-style: decimal inside none;  
}  
  
li:nth-child(odd) {  
background-color: #dfdae7;  
}  
  
@media screen and (max-width: 768px) {  
.containerNew {  
width: 80%;  
}  
}  
  
@media screen and (max-width: 575px) {  
.containerNew {  
width: 90%;  
}  
  
.quiz,  
.scores {  
max-width: 90%;  
}
```

}

This code is for script.jslet questions = [

{

prompt: `Inside which HTML
element do we put
the JavaScript?`,

options: [

"<javascript>",

"<js>",

"<script>",

"<scripting>",

],

answer: "<script>",

},

{

prompt: `How do you call a

function named

myFunction?`,

options: [

"call myFunction()",

"myFunction()",

"call function myFunction",

"Call.myFunction",

],

```
answer: "myFunction()",
```

```
},
```

```
{
```

```
prompt: `How does a for loop
```

```
start?`,
```

```
options: [
```

```
"for (i = 0; i <= 5; i++)",
```

```
"for (i = 0; i <= 5)",
```

```
"for i = 1 to 5",
```

```
" for (i <= 5; i++)",
```

```
],
```

```
answer: "for (i = 0; i <= 5; i++)",
```

```
},
```

```
{
```

```
prompt: `In JavaScript, which
```

```
of the following is
```

```
a logical operator?`,
```

```
options: ["|", "&&", "%", "/"],
```

```
answer: "&&",
```

```
},
```

```
{
```

```
prompt: `A named element in a
```

```
JavaScript program that
```

```
is used to store and
```

```
retrieve data is a ____.`,
options: [
  "method",
  "assignment operator",
  "letiable",
  "string",
],
answer: "letiable",
},
];
let questionsEl =
document.querySelector(
  "#questions"
);
let timerEl =
document.querySelector("#timer");
let choicesEl =
document.querySelector("#options");
let submitBtn = document.querySelector(
  "#submit-score"
);
let startBtn =
document.querySelector("#start");
let nameEl =
```

```
document.querySelector("#name");

let feedbackEl = document.querySelector(
  "#feedback"
);

let reStartBtn =
  document.querySelector("#restart");

let currentQuestionIndex = 0;

let time = questions.length * 15;

let timerId;

function quizStart() {
  timerId = setInterval(
    clockTick,
    1000
  );
  timerEl.textContent = time;
}

let landingScreenEl =
  document.getElementById(
    "start-screen"
);

landingScreenEl.setAttribute(
  "class",
  "hide"
);

questionsEl.removeAttribute(
```

```
"class"
);
getQuestion();
}

function getQuestion() {
let currentQuestion =
questions[currentQuestionIndex];
let promptEl =
document.getElementById(
"question-words"
);
promptEl.textContent =
currentQuestion.prompt;
choicesEl.innerHTML = "";
currentQuestion.options.forEach(
function (choice, i) {
let choiceBtn =
document.createElement(
"button"
);
choiceBtn.setAttribute(
"value",
choice
);
}
```

```
choiceBtn.textContent =  
    i + 1 + ". " + choice;  
choiceBtn.onclick =  
    questionClick;  
choicesEl.appendChild(  
    choiceBtn  
);  
}  
};  
}  
  
function questionClick() {  
    if (  
        this.value !==  
        questions[currentQuestionIndex]  
.answer  
    ) {  
        time -= 10;  
        if (time < 0) {  
            time = 0;  
        }  
        timerEl.textContent = time;  
        feedbackEl.textContent = `Wrong! The correct answer was  
        ${questions[currentQuestionIndex].answer}.`;  
        feedbackEl.style.color = "red";
```

```
    } else {
        feedbackEl.textContent =
        "Correct!";
        feedbackEl.style.color =
        "green";
    }
    feedbackEl.setAttribute(
        "class",
        "feedback"
    );
    setTimeout(function () {
        feedbackEl.setAttribute(
            "class",
            "feedback hide"
        );
        }, 2000);
    currentQuestionIndex++;
    if (
        currentQuestionIndex ===
        questions.length
    ) {
        quizEnd();
    } else {
        getQuestion();
```

```
}

}

function quizEnd() {
    clearInterval(timerId);
    let endScreenEl =
        document.getElementById(
            "quiz-end"
        );
    endScreenEl.removeAttribute(
        "class"
    );
    let finalScoreEl =
        document.getElementById(
            "score-final"
        );
    finalScoreEl.textContent = time;
    questionsEl.setAttribute(
        "class",
        "hide"
    );
}

function clockTick() {
    time--;
    timerEl.textContent = time;
}
```

```
if (time <= 0) {
    quizEnd();
}

}

function saveHighscore() {
    let name = nameEl.value.trim();
    if (name !== "") {
        let highscores =
            JSON.parse(
                window.localStorage.getItem(
                    "highscores"
                )
            ) || [];
        let newScore = {
            score: time,
            name: name,
        };
        highscores.push(newScore);
        window.localStorage.setItem(
            "highscores",
            JSON.stringify(highscores)
        );
        alert(
            "Your Score has been Submitted"
        );
    }
}
```

```
);

}

}

function checkForEnter(event) {
  if (event.key === "Enter") {
    saveHighscore();
    alert(
      "Your Score has been Submitted"
    );
  }
}

nameEl.onkeyup = checkForEnter;
```

```
submitBtn.onclick = saveHighscore;
startBtn.onclick = quizStart;
```

This code is for highscore.js

```
let scoresBtn = document.querySelector(
  "#view-high-scores"
);
function printHighscores() {
  let highscores =
    JSON.parse(
      window.localStorage.getItem(
        "highscores"
      )
    );
  let sortedHighscores = highscores
    .sort((a, b) => b - a);
  let highscoreList = document.createElement("ul");
  sortedHighscores.forEach(score => {
    let li = document.createElement("li");
    li.textContent = score;
    highscoreList.appendChild(li);
  });
  scoresBtn.innerHTML = "";
  scoresBtn.appendChild(highscoreList);
}
```

```
) || [];
```

```
highscores.sort(function (a, b) {
```

```
return b.score - a.score;
```

```
});
```

```
highscores.forEach(function (
```

```
score
```

```
) {
```

```
let liTag =
```

```
document.createElement(
```

```
"li"
```

```
);
```

```
liTag.textContent =
```

```
score.name +
```

```
" - " +
```

```
score.score;
```

```
let oEl =
```

```
document.getElementById(
```

```
"highscores"
```

```
);
```

```
oEl.appendChild(liTag);
```

```
});
```

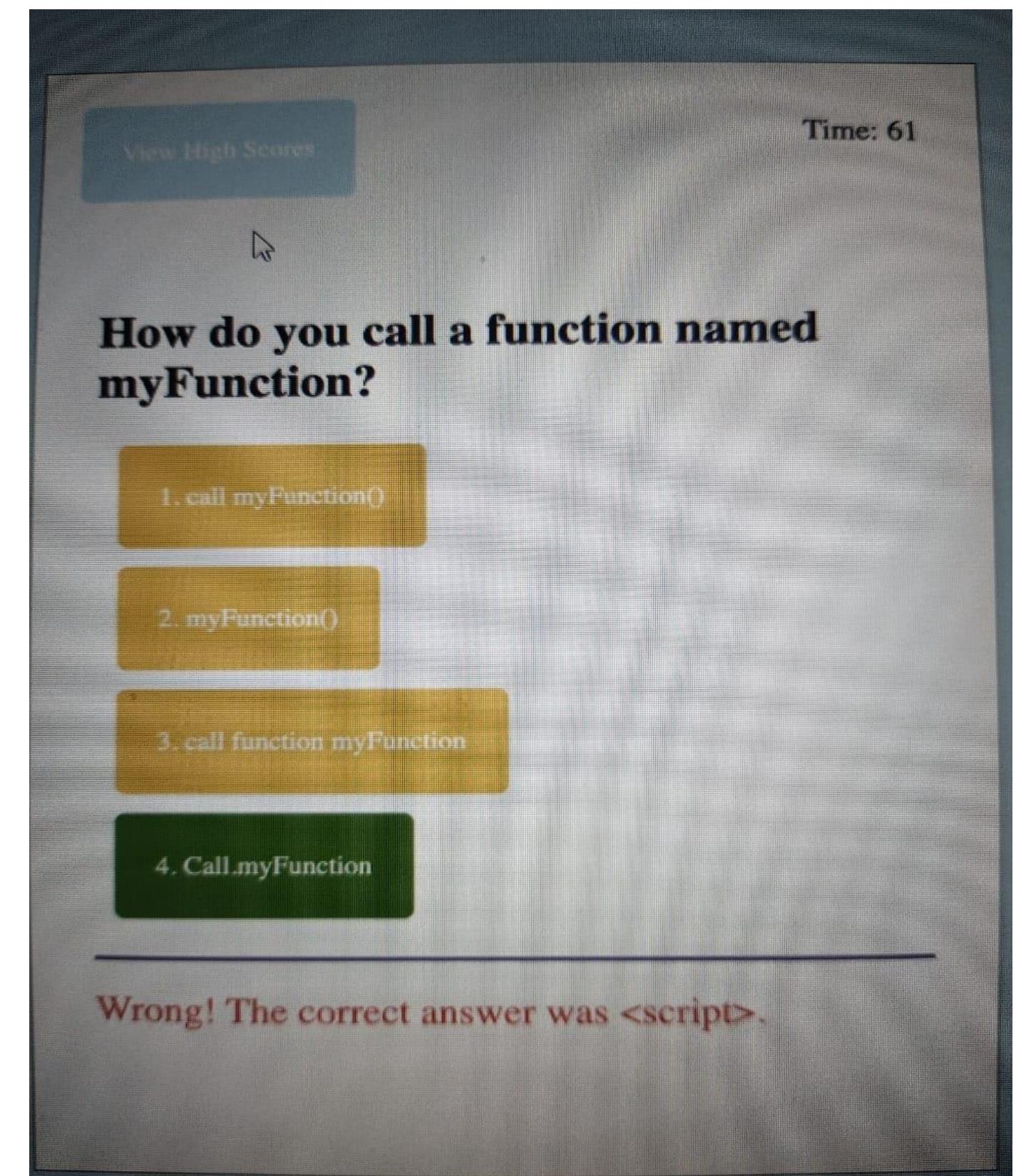
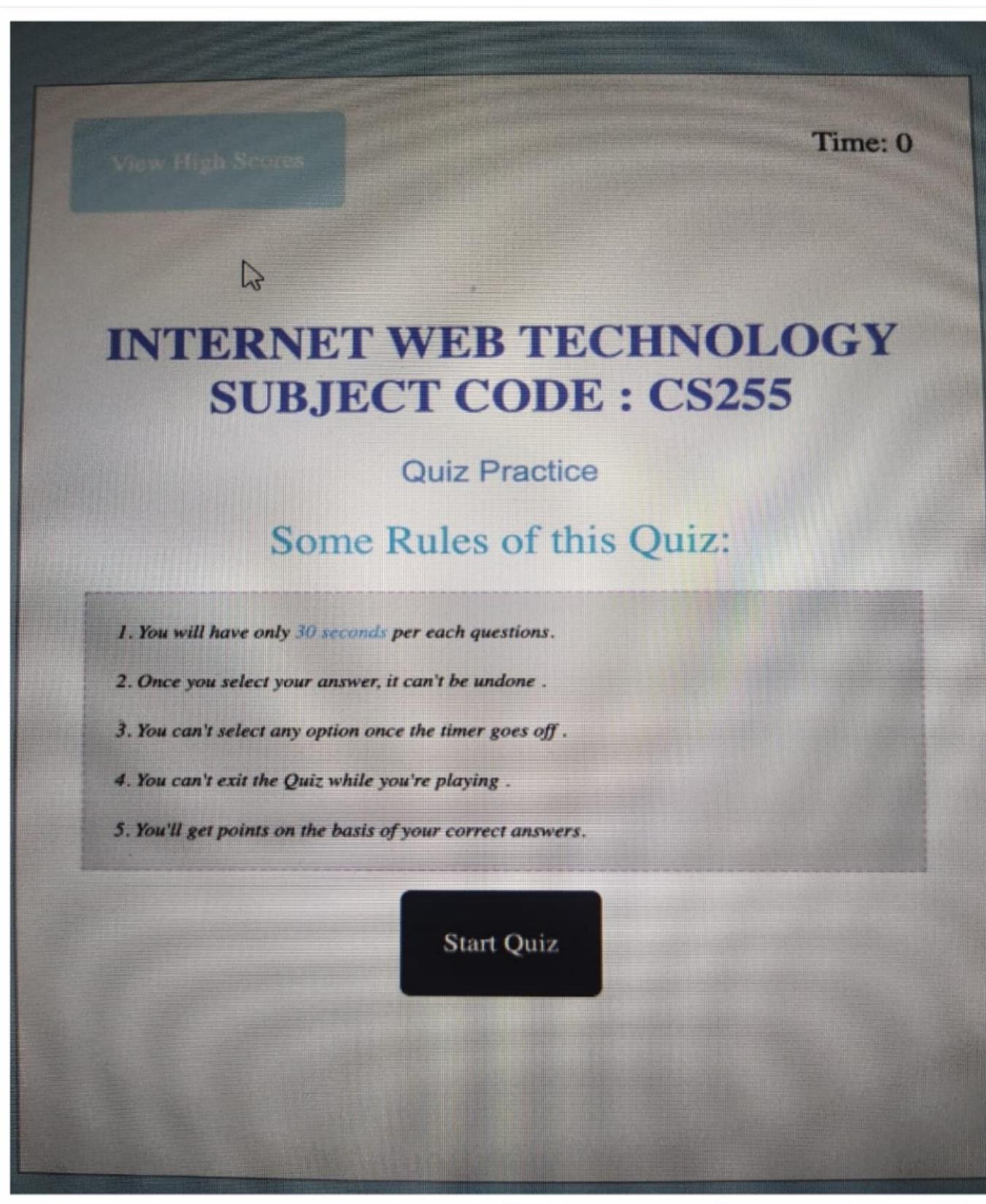
```
}
```

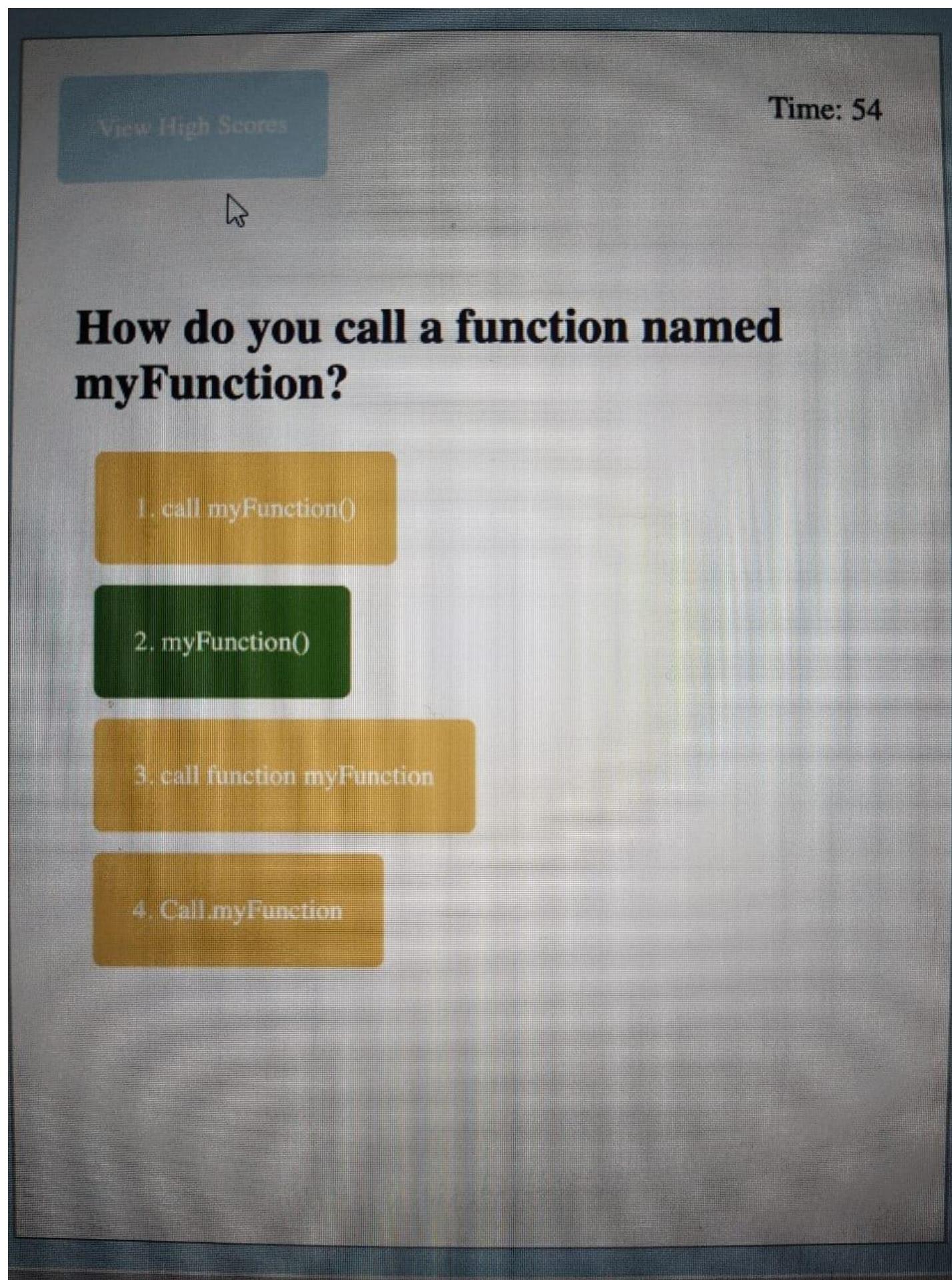
```
function clearHighscores() {
```

```
window.localStorage.removeItem(
```

```
"highscores"  
);  
window.location.reload();  
}  
document.getElementById(  
"clear"  
).onclick = clearHighscores;  
printHighscores();  
</body>  
</html>
```

OUTPUT WEBPAGE





View High Scores

Time: 54

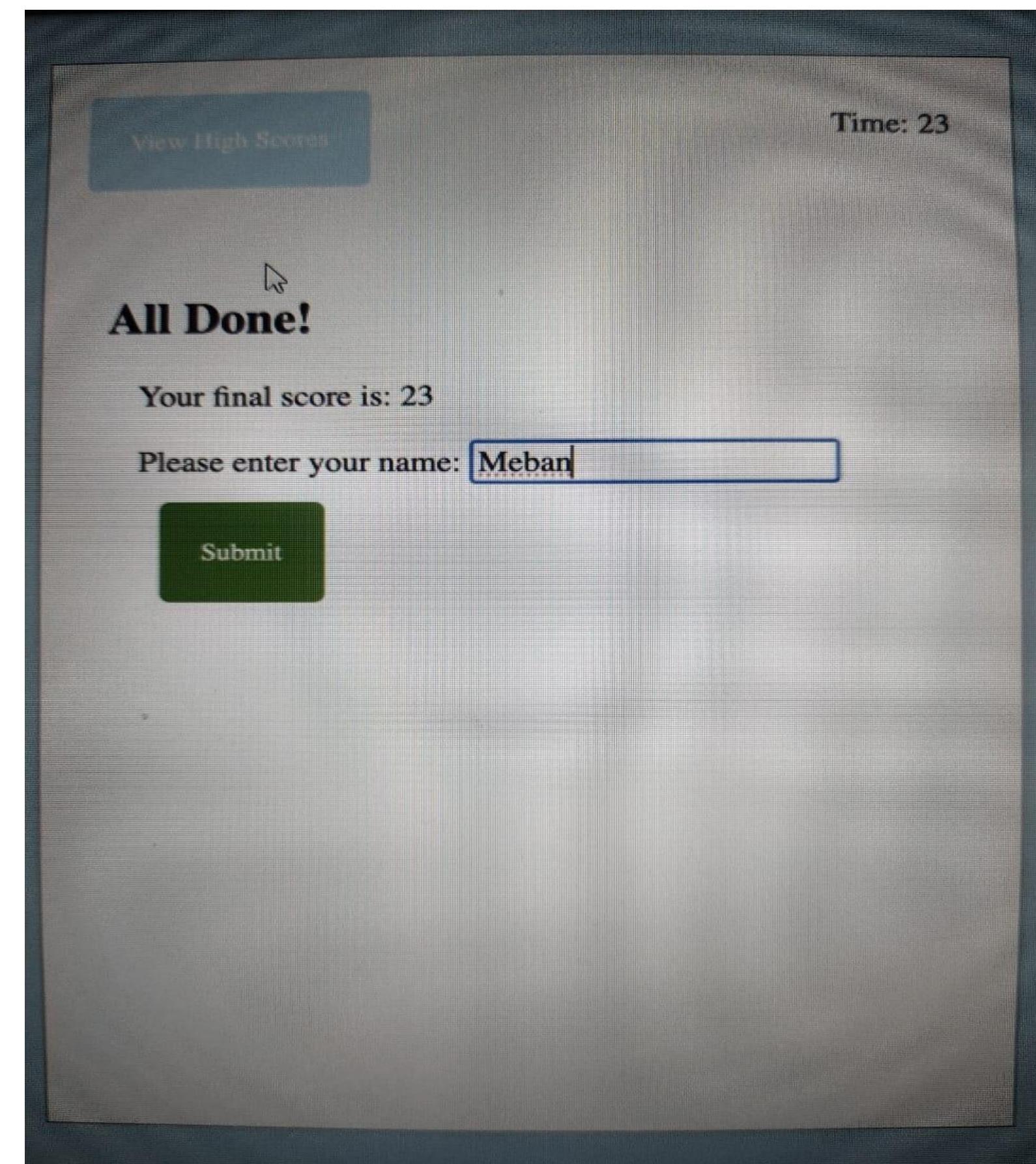
**How do you call a function named
myFunction?**

1. call myFunction()

2. myFunction()

3. call function myFunction

4. Call.myFunction



View High Scores

Time: 23

All Done!

Your final score is: 23

Please enter your name: Meban

Submit

OBJECTIVE 8

Create various user defined functions to perform some arithmetic operations and write one JavaScript program to create an image slideshow, simple animations using JavaScript.

HTML CODE

CODE FOR CALCULATOR

```
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
</head>
<body>

<script>
const add = (a,b)=>{
  console.log(a+b)
}

const multi = (a,b)=>{
  console.log(a*b)
}

const div = (a,b)=>{
  console.log(a/b)
}
```

```
}
```

```
const sub = (a,b)=>{
```

```
    console.log(a-b)
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
#animatedElement {
```

```
width: 50px;
```

```
height: 50px;
```

```
background-color: red;
```

```
position: absolute;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div id="animatedElement"></div>
```

```
<script>

const animatedElement = document.getElementById('animatedElement');

let position = 0; // Initial position

function animate() {
    position += 5;
    animatedElement.style.left = position + 'px';
    if (position >= window.innerWidth) {
        n
        position = -animatedElement.clientWidth;
    }
    requestAnimationFrame(animate);
}

animate();
</script>
</body>
</html>
```

CODE FOR SLIDESHOW

```
<!DOCTYPE html>
<html>
<head>
<style>
```

```
.slideshow-container {  
    max-width: 400px;  
    position: relative;  
    margin: auto;  
}  
  
.mySlides {  
    display: none;  
    width: 100%;  
}  
  
img {  
    width: 100%;  
}  
  
.prev, .next {  
    cursor: pointer;  
    position: absolute;  
    top: 50%;  
    width: auto;  
    padding: 16px;  
    margin-top: -22px;  
    color: white;  
    font-weight: bold;  
    font-size: 18px;
```

```
transition: 0.6s ease;  
border-radius: 0 3px 3px 0;  
}  
.next {  
right: 0;  
border-radius: 3px 0 0 3px;  
}  
.prev:hover, .next:hover {  
background-color: rgba(0, 0, 0, 0.8);  
}  
</style>  
</head>  
<body>  
<div class="slideshow-container">  
    <!-- Slides -->  
    <div class="mySlides">  
          
    </div>  
    <div class="mySlides">  
          
    </div>  
    <div class="mySlides">
```

```

</div>
<!-- Previous and Next buttons -->
<a class="prev" onclick="plusSlides(-1)">←</a>
<a class="next" onclick="plusSlides(1)">→</a>
</div>
<script>
var slideIndex = 1;
showSlides(slideIndex);

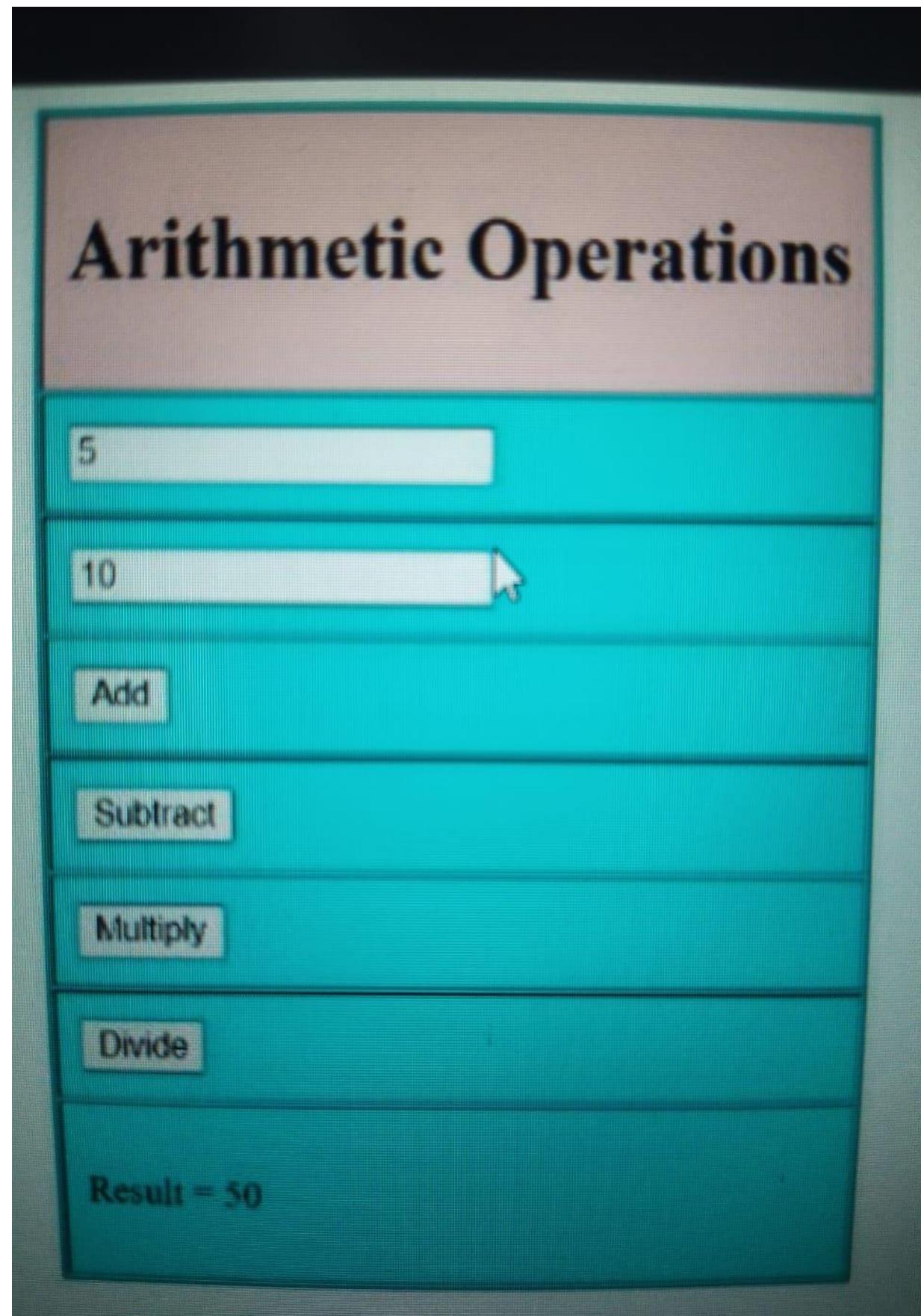
function plusSlides(n) {
    showSlides(slideIndex += n);
}

function showSlides(n) {
    var i;
    var slides = document.getElementsByClassName("mySlides");
    if (n > slides.length) {
        slideIndex = 1;
    }
    if (n < 1) {
        slideIndex = slides.length;
    }
    for (i = 0; i < slides.length; i++) {
```

```
slides[i].style.display = "none";  
}  
slides[slideIndex - 1].style.display = "block";  
}  
</script>  
</body>  
</html>
```

OUTPUT WEBPAGE

CALCULATOR



SLIDESHOws

