

LAB SESSION 09 (AICT)

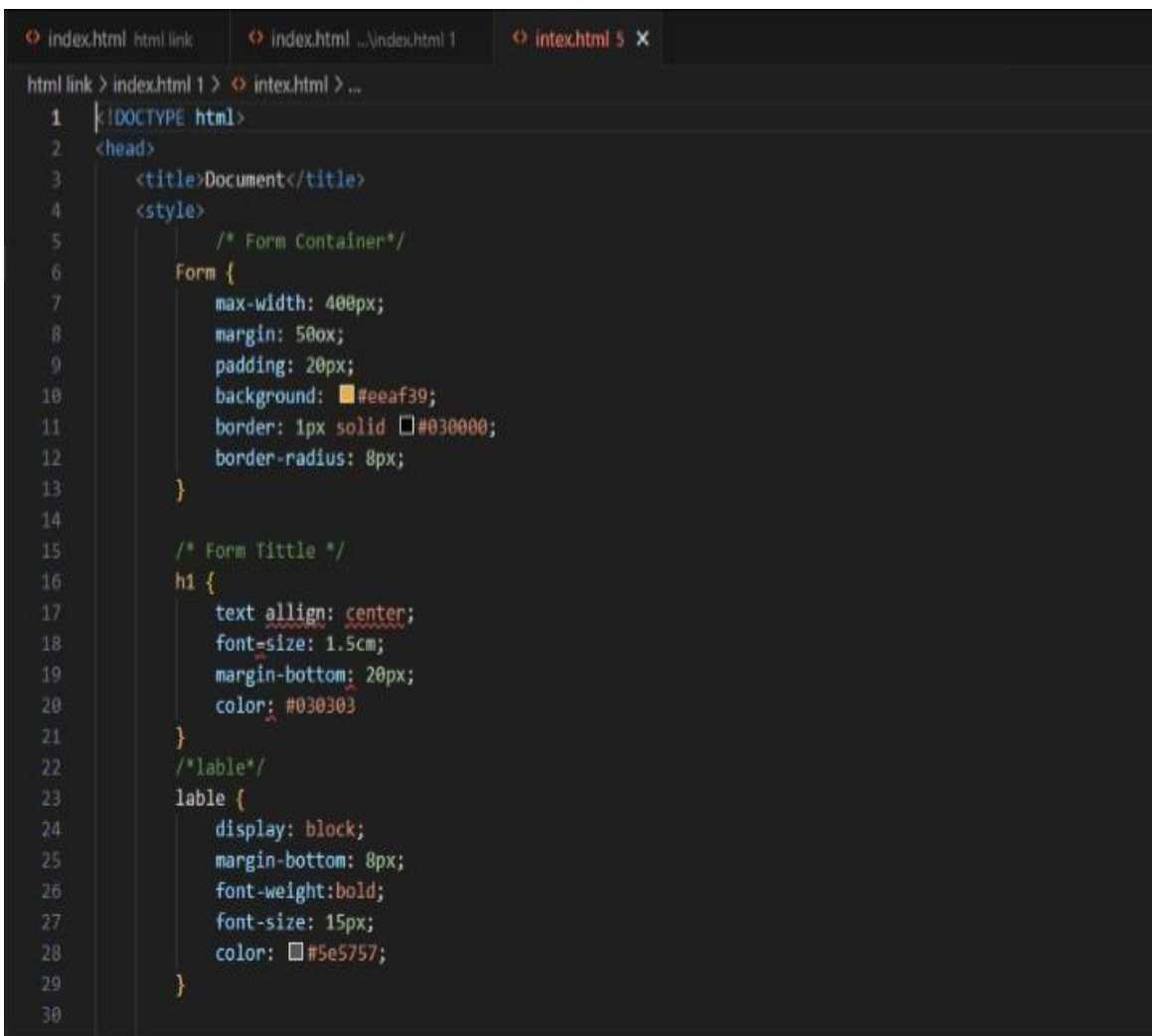
MUHAMMAD HUZAIFA KHAN

CMS – ID 3592-2024

MISS AQSA NADIR

Lab Tasks:

- 1) Design a user-friendly form using HTML and CSS.



```
index.html html link  index.html ...index.html 1  intex.html 5 X
html link > index.html 1 >  index.html > ...
1  <!DOCTYPE html>
2  <head>
3      <title>Document</title>
4      <style>
5          /* Form Container*/
6          Form {
7              max-width: 400px;
8              margin: 50px;
9              padding: 20px;
10             background: #eeaf39;
11             border: 1px solid #030000;
12             border-radius: 8px;
13         }
14
15         /* Form Title */
16         h1 {
17             text-align: center;
18             font-size: 1.5em;
19             margin-bottom: 20px;
20             color: #030303;
21         }
22         /*lable*/
23         lable {
24             display: block;
25             margin-bottom: 8px;
26             font-weight: bold;
27             font-size: 15px;
28             color: #5e5757;
29         }
30
```

```
31      /*input Feilds and Textarea*/
32      Input {
33          width: 100%;
34          padding: 10px;
35          margin-bottom: 15px;
36          border: 1px solid #ccc;
37          border-radius: 4px;
38          font-size: 10px;
39          box-sizing: border-box;
40      }
41      textarea {
42          width: 100%;
43          padding: 10px;
44          margin-bottom: 15px;
45          border-radius: 10px;
46          box-sizing: border-box;
47      }
48
49      /*Button*/
50      Button {
51          width: 100%;
52          padding: 10px;
53          background: #007bff;
54          color: #fff;
55          border: none;
56          border-radius: 10px;
57          font-size: 16px;
58          cursor: pointer;
59          transition: background-color 0.3s ease;
60      }
```

```

62         Button: hover {
63             background-color: #0056b3
64         }
65     </style>
66 </head>
67 <body>
68     <form>
69         <h2>Registration Form</h2>
70         <!--Text input-->
71         <label for="First Name">First Name:</label>
72         <input type="text" id="First Name" name="First Name" required>
73         <br><br>
74         <!--Text input-->
75         <label for="Last Name">Last Name:</label>
76         <input type="text" id="Last Name" name="Last Name" required>
77         <br><br>
78         <!--Text input-->
79         <div>
80             <label for="country">Country:</label>
81             <select name="country" id="country">
82                 <option value="">Select your country</option>
83                 <option value="Australia">Australia</option>
84                 <option value="afghanistan">Afghanistan</option>
85                 <option value="England">England</option>
86                 <option value="Pakistan">Pakistan</option>
87                 <option value="India">India</option>
88                 <option value="Finland">Finland</option>
89                 <option value="Ireland">Ireland</option>
90                 <option value="Thiland">Thiland</option>
91             </select>
92         </div>
93         <br>
94         <!--Text input-->
95         <label for="Subject">Subject:</label>
96         <textarea name="Subject"> </textarea>
97         <br><br>
98         <!--Submit Button-->
99         <button type="SUMBIT">SUMBIT</button>
100     </form>
101 </body>
102 </html>

```

← ↻ ⓘ 127.0.0.1:5500/html%20link/index.html%201/intex.html

Registration Form

First Name:

Last Name:

Country:

Subject:

SUMBIT

2) Use CSS flexbox to create a responsive and functional navigation bar.

```
index.html | index.html | index.html | ... | index.html 5
html link > index.html 1 > index.html 1 > ...
1 |<!DOCTYPE html>
2 |<html lang="en">
3 |<head>
4 |   <meta charset="UTF-8">
5 |   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 |   <title>Document</title>
7 |   <style>
8 |     .navbar {
9 |       background-color: #008000;
10 |       border-radius: 10px;
11 |     }
12 |     .navbar li {
13 |       float: right;
14 |       list-style: none;
15 |       margin: 10px 15px;
16 |     }
17 |     .navbar li a {
18 |       padding: 3px;
19 |       text-decoration: none;
20 |       color: #000000;
21 |     }
22 |     .navbar div {
23 |       float: left;
24 |       margin: 4px 20px;
25 |       border-color: #FF0000;
26 |       font-size: 2em;
27 |     }
28 |     .navbar ul {
29 |       overflow: auto;
30 |     }
31 |   </style>
32 | </head>
33 |
34 | <body>
35 |   <nav class="navbar">
36 |     <div class="logo">MBC</div>
37 |     <ul class="nav-links">
38 |       <li><a href="contact">CONTACT</a></li>
39 |       <li><a href="about us">ABOUT US</a></li>
40 |       <li><a href="services">SERVICES</a></li>
41 |       <li><a href="Products">PRODUCTS</a></li>
42 |       <li><a href="home">HOME</a></li>
43 |     </ul>
44 |   </nav>
45 | </body>
</html>
```



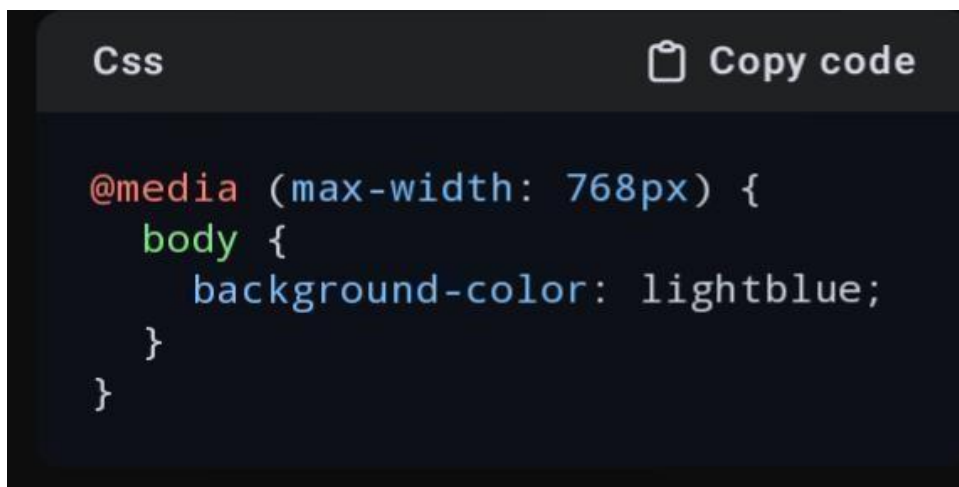
3) What are media queries in CSS, and what is the purpose of using them in web design.

Media queries in CSS are a feature used to apply styles to a web page depending on certain conditions, such as the screen size, resolution, orientation, or other properties of the user's device. They enable responsive web design, which ensures that a website looks and functions well on different devices, including desktops, tablets, and smartphones.

Purpose of Using Media Queries:

1. Responsive Design: Adjust layouts, fonts, and elements dynamically based on the user's screen size or device type.
2. Improved User Experience: Provide a tailored and optimized experience for users across various devices.
3. Efficient Resource Usage: Load appropriate resources, like images or styles, for different devices to improve performance.
4. Custom Styles for Specific Conditions: Create distinct designs for portrait or landscape orientations, high-resolution screens, or specific device types.

Example of a media query:



```
Css Copy code

@media (max-width: 768px) {
  body {
    background-color: lightblue;
  }
}
```

In this example, the background color of the body changes to light blue when the screen width is 768 pixels or less.

