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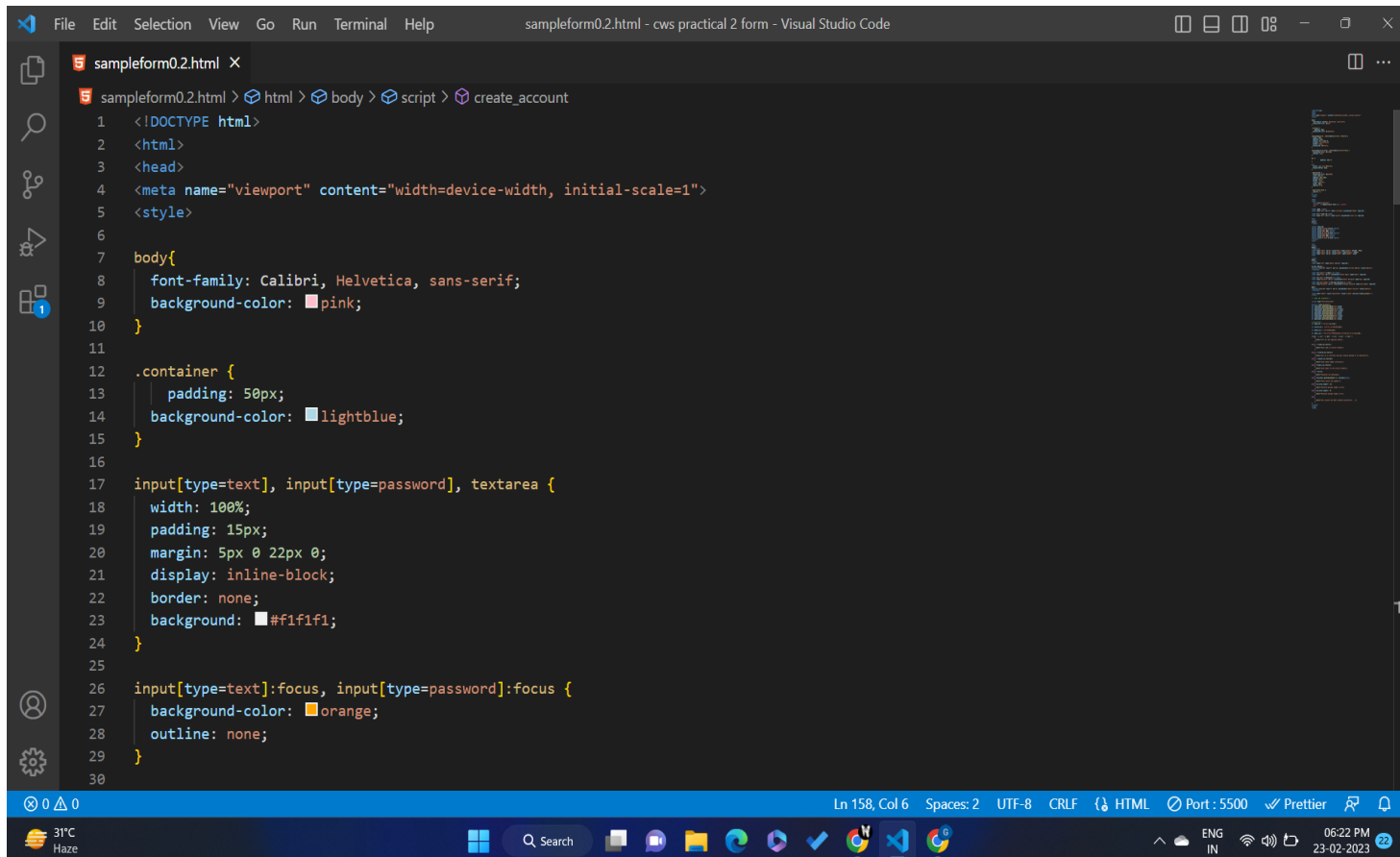
Section: G Roll number: 22

Practical 5

Aim: Design a simple registration form by applying proper validation for the following fields using JavaScript.

Code Screenshot:

1



The screenshot shows the Visual Studio Code editor with a file named 'sampleform0.2.html'. The code is CSS, defining styles for a registration form. The code is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta name="viewport" content="width=device-width, initial-scale=1">
5 <style>
6
7 body{
8     font-family: Calibri, Helvetica, sans-serif;
9     background-color: #pink;
10 }
11
12 .container {
13     padding: 50px;
14     background-color: #lightblue;
15 }
16
17 input[type=text], input[type=password], textarea {
18     width: 100%;
19     padding: 15px;
20     margin: 5px 0 22px 0;
21     display: inline-block;
22     border: none;
23     background: #f1f1f1;
24 }
25
26 input[type=text]:focus, input[type=password]:focus {
27     background-color: #orange;
28     outline: none;
29 }
30
```

The status bar at the bottom indicates the cursor is at line 158, column 6. The file encoding is UTF-8, and the line endings are CRLF. The port is 5500, and the formatter is Prettier. The system tray shows a temperature of 31°C, a search bar, and the date and time: 06:22 PM, 23-02-2023.

2

The screenshot shows the Visual Studio Code editor with the file 'sampleform0.2.html' open. The editor is displaying CSS and HTML code. The CSS code includes a 'div' with padding, an 'hr' with a border and margin, and a '.registerbtn' class with background color, color, padding, margin, border, cursor, width, and opacity. There is also a hover effect for '.registerbtn: hover'. The HTML code shows the structure of the form, including a 'div' with class 'container', a 'center' tag, and an 'h1' tag for 'Registration Form'.

```

31  div {
32  | | | | padding: 10px 0;
33  }
34
35  hr {
36  | border: 1px solid #f1f1f1;
37  | margin-bottom: 25px;
38  }
39
40  .registerbtn {
41  | background-color: #4CAF50;
42  | color: white;
43  | padding: 16px 20px;
44  | margin: 8px 0;
45  | border: none;
46  | cursor: pointer;
47  | width: 100%;
48  | opacity: 0.9;
49  }
50
51  .registerbtn: hover {
52  | opacity: 1;
53  }
54  </style>
55  </head>
56
57  <body>
58  <form>
59  | <div class="container">
60  | <center> <h1>Registration Form</h1> </center>

```

The status bar at the bottom indicates the current position is Ln 158, Col 6, with 2 spaces, UTF-8 encoding, CRLF line endings, and HTML language. The port is 5500, and Prettier is enabled. The system tray shows a temperature of 31°C, Haze weather, and the date 23-02-2023.

3

The screenshot shows the Visual Studio Code editor with the file 'sampleform0.2.html' open. The editor is displaying HTML code for the registration form. The code includes a 'div' with class 'container', a 'center' tag, and an 'h1' tag for 'Registration Form'. It also includes a 'hr' tag, a 'label' for 'Name', an 'input' for 'Name', a 'label' for 'User Id', an 'input' for 'User Id', a 'div' containing a 'label' for 'Course', a 'select' tag with options for 'Course', 'BCA', 'BBA', 'B.Tech', 'MBA', 'MCA', and 'M.Tech', and a 'div' containing a 'label'.

```

57  <body>
58  <form>
59  | <div class="container">
60  | <center> <h1>Registration Form</h1> </center>
61  | <hr>
62
63  | <label> Name </label>
64  | <input type="text" id="n1" name="firstname" placeholder="Name" required/>
65
66  | <label for="">User Id</label>
67  | <input type="text" id="u1" name="userid" placeholder="user id" required/>
68
69  | <div>
70  | <label>
71  | Course :
72  | </label>
73
74  | <select required>
75  | <option value="Course">Course</option>
76  | <option value="BCA">BCA</option>
77  | <option value="BBA">BBA</option>
78  | <option value="B.Tech">B.Tech</option>
79  | <option value="MBA">MBA</option>
80  | <option value="MCA">MCA</option>
81  | <option value="M.Tech">M.Tech</option>
82  | </select>
83  | </div>
84
85  | <div>
86  | <label>

```

The status bar at the bottom indicates the current position is Ln 158, Col 6, with 2 spaces, UTF-8 encoding, CRLF line endings, and HTML language. The port is 5500, and Prettier is enabled. The system tray shows a temperature of 31°C, Haze weather, and the date 23-02-2023.

4

```

sampleform0.2.html X
sampleform0.2.html > html > body > script > create_account
87 Gender :
88 </label><br>
89 <input type="radio" id="g1" value="Male" name="gender" checked > Male
90 <input type="radio" id="g1" value="Female" name="gender"> Female
91 <input type="radio" id="g1" value="Other" name="gender"> Other
92 </div>
93
94 <label>
95 Phone :
96 </label>
97 <input type="text" name="phone" id="ph1" required/>
98
99 Current Address :
100 <textarea cols="80" rows="5" id="ca1" placeholder="Current Address" value="address">
101 </textarea>
102
103 <label for="email"><b>Email</b></label>
104 <input type="text" id="e1" placeholder="Enter Email" name="email" required>
105
106 <label for="psw"><b>Password</b></label>
107 <input type="password" id="p1" placeholder="Enter Password" name="psw" required>
108
109 <label for="psw-repeat"><b>Re-type Password</b></label>
110 <input type="password" id="p2" placeholder="Retype Password" name="psw-repeat" required>
111
112 About :
113 <textarea cols="80" rows="5" id="a1" placeholder="About Yourself" value="address">
114 </textarea>
115
116 <input type="submit" class="registerbtn" value="create" onClick="create_account()"/>

```

Ln 158, Col 6 Spaces: 2 UTF-8 CRLF HTML Port: 5500 Prettier

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5

```

sampleform0.2.html X
sampleform0.2.html > html > body > script > create_account
117 </form>
118
119 <!--CODE FOR JAVASCRIPT-->
120
121 <script type="text/javascript">
122
123 function create_account(){
124 var n=document.getElementById("n1").value;
125 var u=document.getElementById("u1").value;
126 var ph=document.getElementById("ph1").value;
127 var c=document.getElementById("ca1").value;
128 var e=document.getElementById("e1").value;
129 var p=document.getElementById("p1").value;
130 var rp=document.getElementById("p2").value;
131 var a=document.getElementById("a1").value;
132 var g=document.getElementById("g1").value;
133
134 //contitions//
135 var name_val = /^[A-Za-z]{1,17}$/;
136
137 var userid_val = /^[A-Za-z_0-999]{5,12}$/;
138
139 var phone_val = /^[0-9]{10,12}$/;
140
141 var email_val = /^[a-zA-Z_0-9999]{3,}@[a-zA-Z]{1,7}\.[a-zA-Z]{1,4}$/;
142
143 if(n=='' || u=='' || ph=='' || e=='' || p=='' || rp=='')
144 {
145     alert("Fill all the required field");
146 }

```

Ln 158, Col 6 Spaces: 2 UTF-8 CRLF HTML Port: 5500 Prettier

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6

```

144     {
145         alert("Fill all the required field");
146     }
147
148     else if (!name_val.test(n))
149     {
150         alert("Enter name in correct format");
151     }
152
153     else if (!userid_val.test(u))
154     {
155         alert("user id is incorrect and must contain maximum of 12 characters");
156     }
157
158     else if (!phone_val.test(ph))
159     {
160         alert("enter phone number correctly");
161     }
162
163     else if (!email_val.test(e))
164     {
165         alert("enter email in the correct format");
166     }
167
168     else if (p!=rp)
169     {
170         alert("Passwords not matching");
171     }
172
173     else if(document.getElementById("g").checked==false)
174     {
175         alert("Plese select your gender");
176     }
177
178     else if(p.value.length > 12)

```

Ln 154, Col 6 Spaces: 2 UTF-8 CRLF HTML Port: 5500 ✓ Prettier

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7

```

160     }
161
162     else if (!email_val.test(e))
163     {
164         alert("enter email in the correct format");
165     }
166
167     else if (p!=rp)
168     {
169         alert("Passwords not matching");
170     }
171
172     else if(document.getElementById("g").checked==false)
173     {
174         alert("Plese select your gender");
175     }
176
177     else if(p.value.length > 12)
178     {
179         alert("Password maximum length is 12");
180     }
181
182     else if(p.value.length < 6)
183     {
184         alert("Password minimum length is 6");
185     }
186
187     else
188     {
189         alert("Your account has been created successfully... ");
190     }
191
192 }
193
194 </script>
195 </body>
196 </html>

```

Ln 154, Col 6 Spaces: 2 UTF-8 CRLF HTML Port: 5500 ✓ Prettier

31°C Haze

Output Screenshot:

1

Registration Form

Name
ayush

User Id
user id

Course :

Gender :
☒ Male ☐ Female ☐ Other

Phone :
8956569898

Current Address :

Email
goyalar_1@rknc.rdu

2

127.0.0.1:5500 says
Fill all the required field

OK

8956569898

Current Address :

Email
goyalar_1@rknc.rdu

Password
Enter Password

Re-type Password
Retype Password

About :

create

3

127.0.0.1:5500/sampleform0.2.html?firstname=ayush+goyal&userid=zsfnstnsfn&gender=Male&phone=8956569898&email=goyalar_1%40rknece.rdu&psw=asdfghjkl&psw-repeat=asdfghjkl

8956569898

Current Address :

Email

goyalar_1@rknece.rdu

Password

Enter Password

Please fill out this field.

Re-type Password

Retype Password

About :

create

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06:22 PM 23-02-2023

4

127.0.0.1:5500/sampleform0.2.html?firstname=ayush+goyal&userid=zsfnstnsfn&gender=Male&phone=8956569898&email=goyalar_1%40rknece.rdu&psw=asdfghjkl&psw-repeat=asdfghjkl

Name

ayush

User Id

User Id

Course : Course

Gender :

☒ Male ☐ Female ☐ Other

Phone :

8956569898

Current Address :

Email

goyalar_1@rknece.rdu

Password

Enter Password

Re-type Password

31°C Haze

06:22 PM 23-02-2023

Conclusion: >From this practical I learnt how to use conditional statements like if, else, else if ladder in a HTML file using JavaScript.

>I also learnt how to do form validation, in order to make a smarter, more responsive and in some sense, an intelligent form.

>I learnt how to use and execute conditional statements in java script.

THANK YOU 😊