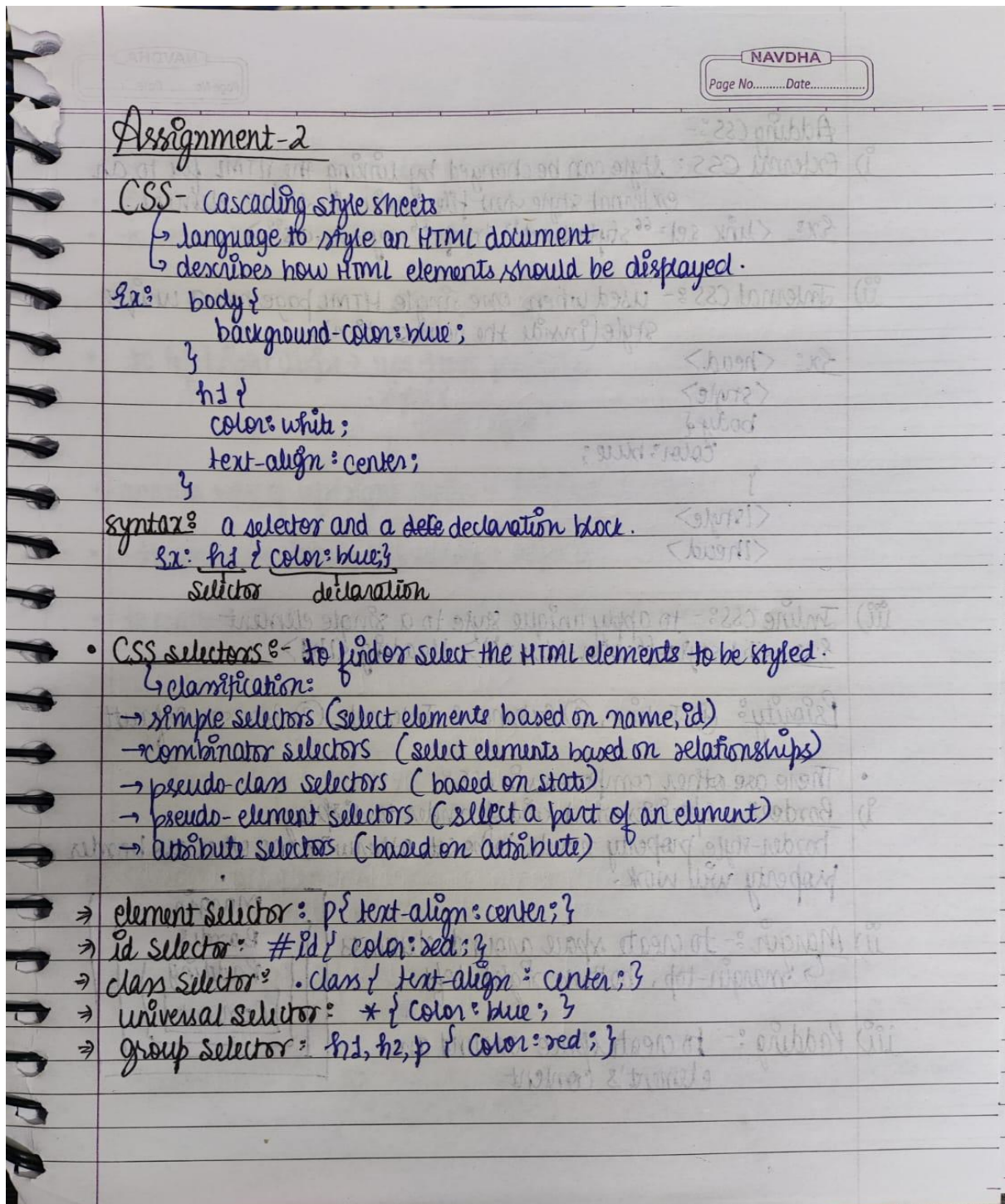


Assignment-2:1) Hand written document of CSS key concepts

Adding CSS:-

- i) External CSS:- style can be changed by linking the HTML file to an external style sheet file inside the `<link>` element.

Ex: `<link rel="stylesheet" href="mystyle.css">`

- ii) Internal CSS:- used when one single HTML page has a unique style (inside the head section).

```
Ex: <head>
      <style>
        body {
          color: blue;
        }
      </style>
    </head>
```

- iii) Inline CSS:- to apply unique style to a single element

Ex: `<h1 style="color: blue;">Heading </h1>`

Priority:- ① Inline, ② External & Internal, ③ Browser Default

- There are other components in CSS:-

- i) Border:- specifies what kind of border to display
border-style property needs to be set, otherwise no other CSS border property will work.

- ii) Margin:- to create space around elements
↳ margin-top, bottom, right, left

- iii) Padding:- to create space around an element's content



Align:

- To horizontally center a block element \Rightarrow `margin: auto`
- To center the text inside an element \Rightarrow `text-align: center`
- to center an image \Rightarrow `display: block;`
`margin-left: auto;`
`margin-right: auto;`
- to left/right align \Rightarrow use float property
`float: right;`
- another way of left/right align \Rightarrow `position: absolute;`
- to center vertically: `padding: 70px 0;`
- to center both horizontally/vertically: `padding: 70px 0;`
`text-align: center;`

Combinators:

- ① Descendant: all elements that are descendants of a specified element
`ex: div p { color: yellow; }`
 \hookrightarrow all `<p>` elements inside `<div>`
- ② Child: all elements that are children of an element
`ex: div > p { color: red; }`
- ③ Next sibling: all elements that are directly after an element
`ex: div + p { color: blue; }`
- ④ Subsequent sibling: all elements that are next siblings of an element
`ex: div ~ p { color: green; }`

2)Implementation of CSS on the previously created HTML webpage:

CODE:

External CSS

```
css3 > styles.css > ...
1  * {
2      margin: 0;
3      padding: 0;
4      box-sizing: border-box;
5  }
6
7  body {
8      font-family: sans-serif;
9      line-height: 1.6;
10     color: #333;
11     background-color: #f8f9fa;
12 }
13
14 header {
15     color: white;
16     padding: 60px 20px;
17     text-align: center;
18     position: relative;
19     box-shadow: 0 4px 15px rgba(0, 0, 0, 0.1);
20 }
21
22 header h1 {
23     font-size: 2.5rem;
24     margin-bottom: 15px;
25     text-shadow: 1px 1px 3px rgba(0, 0, 0, 0.2);
26 }
27
28 header p {
29     font-size: 1.2rem;
30     opacity: 0.9;
31     max-width: 600px;
32     margin: 0 auto;
33 }
34
35 nav {
36     background-color: #fff;
37     padding: 15px 0;
38     box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
39     top: 0;
40 }
41
42 nav ul {
43     display: flex;
44     justify-content: center;
45     list-style: none;
46     max-width: 800px;
47     margin: 0 auto;
48 }
49
50 nav li {
51     margin: 0 20px;
52 }
53
54 nav a {
55     color: #4682B4;
56     text-decoration: none;
57     font-weight: 500;
58     position: relative;
59     padding: 5px 2px;
60 }
61
62 nav a::after {
63     content: '';
64     position: absolute;
65     width: 0;
66     height: 2px;
```

```

67     bottom: 0;
68     left: 0;
69     background-color: #4682B4;
70 }
71
72 nav a:hover {
73     color: #205a86;
74 }
75
76 nav a:hover::after {
77     width: 100%;
78 }
79
80 .container {
81     max-width: 1100px;
82     margin: 40px auto;
83     padding: 0 20px;
84 }
85
86 .section {
87     background-color: white;
88     border-radius: 8px;
89     margin-bottom: 40px;
90     padding: 30px;
91     box-shadow: 0 5px 15px rgba(0, 0, 0, 0.05);
92 }
93
94 .section:hover {
95     box-shadow: 0 8px 25px rgba(0, 0, 0, 0.1);
96 }
97
98 h1, h2, h3 {

```

```

99     color: #4682B4;
100     font-weight: 600;
101 }
102
103 h2 {
104     margin-bottom: 25px;
105     padding-bottom: 10px;
106     border-bottom: 2px solid #f0f0f0;
107     font-size: 1.8rem;
108 }
109
110 h3 {
111     font-size: 1.4rem;
112     margin-bottom: 15px;
113 }
114
115 .profile-img {
116     width: 180px;
117     height: 180px;
118     border-radius: 50%;
119     border: 4px solid white;
120     box-shadow: 0 5px 15px rgba(0, 0, 0, 0.1);
121     display: block;
122     margin: 0 auto 25px;
123 }
124
125 .about-content {
126     display: flex;
127     flex-direction: column;
128     align-items: center;
129     text-align: center;
130 }

```

```

165     border-top: 1px solid #eaeaea;
166 }
167
168 footer p {
169     margin-bottom: 10px;
170     color: #555;
171 }
172
173 .contact-info {
174     display: flex;
175     justify-content: center;
176     gap: 30px;
177     margin-top: 20px;
178 }
179
180 .contact-item {
181     display: flex;
182     align-items: center;
183     gap: 8px;
184 }

```

```

132 .skills-list {
133     display: flex;
134     flex-wrap: wrap;
135     gap: 15px;
136     list-style: none;
137     margin-top: 20px;
138 }
139
140 .skills-list li {
141     background-color: #e9f0f7;
142     color: #4682B4;
143     padding: 8px 16px;
144     border-radius: 20px;
145     font-weight: 500;
146 }
147
148 .skills-list li:hover {
149     background-color: #4682B4;
150     color: white;
151 }
152
153 .project {
154     margin-bottom: 25px;
155     padding: 20px;
156     border-radius: 8px;
157     background-color: #f9f9f9;
158     border-left: 4px solid #4682B4;
159 }
160
161 footer {
162     background-color: #fff;
163     padding: 30px 20px;
164     text-align: center;

```

Implemented CSS by using an external styles.css file and linking it inside the index.html file which contains the code of the previously created HTML webpage.

I also included some internal css styling by enclosing some css inside style tags

Internal CSS

```
<style>
  body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f0f0f0;
    color: #333;
  }

  header {
    background-color: #4682B4;
    color: white;
    text-align: center;
    padding: 20px;
  }

  .container {
    width: 80%;
    margin: auto;
    padding: 20px;
  }

  .section {
    margin-bottom: 30px;
    background-color: white;
    padding: 20px;
    border-radius: 5px;
  }

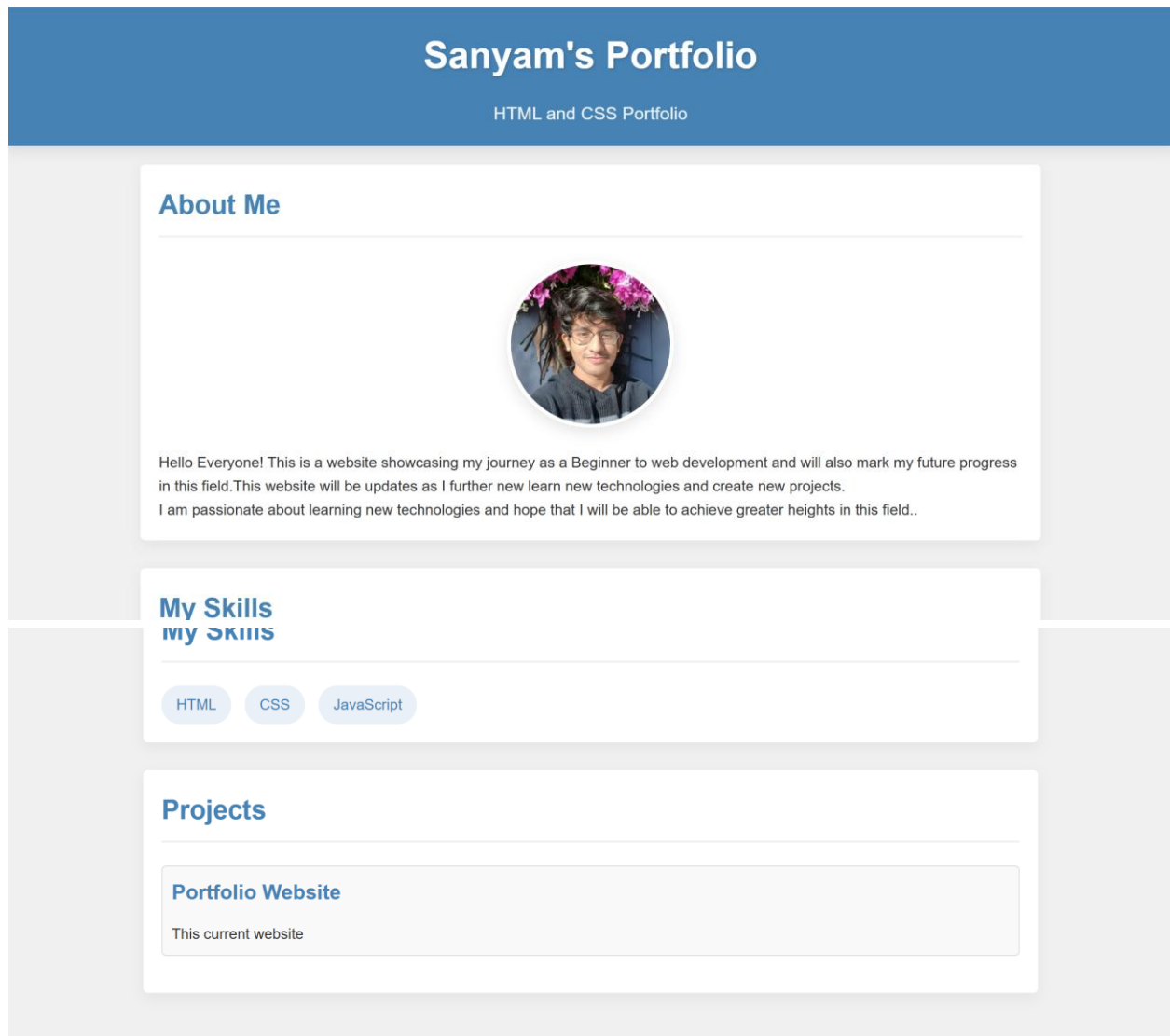
  h1{
    color: white;
  }

  h2, h3 {
    color: #4682B4;
  }

  .project {
    margin-bottom: 20px;
    padding: 10px;
    border: 1px solid #ddd;
    border-radius: 5px;
  }

  footer {
    text-align: center;
    padding: 20px;
    background-color: white;
    color: black;
  }
</style>
```

A look at the updated portfolio with some internal and external css:



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Sanyam's Portfolio