

Programme	: B.Tech.	Semester	: Winter24-25
Course	: BCSE203E: Web Programming Lab	Slot	: TE1/TE2
Faculty	: Dr. LM Jenila Livingston	Marks	: 10

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Register no: 23BCE5036

## Exercise-5

### Question1

Code:

```

Welcome  index.html X
index.html > html > body > footer
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <title>My Professional Resume</title>
5    <style>
6      body {
7        font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unicode', Geneva, Verdana, sans-serif;
8        margin: 0;
9        padding: 0;
10       background-color: #f4f3f3;
11     }
12     header {
13       background-color: #333;
14       color: white;
15       text-align: center;
16       padding: 20px;
17     }
18     nav {
19       float: left;
20       width: 20%;
21       background-color: #ddd;
22       padding: 20px;
23       box-sizing: border-box;
24       height: 100vh;
25     }
26     main {
27       float: left;
28       width: 55%;
29       padding: 20px;
30       box-sizing: border-box;
31       background-color: white;
32       box-shadow: 0px 0px 5px rgba(0, 0, 0, 0.2);
33     }
34     aside {
35       float: right;
36       width: 20%;
37       background-color: #f9f9f9;

```

```

3   }
4   aside {
5       float: right;
6       width: 20%;
7       background-color: #f9f9f9;
8       padding: 20px;
9       box-sizing: border-box;
10      box-shadow: 0px 0px 5px rgba(211, 21, 7.2);
11  }
12  footer {
13      clear: both;
14      background-color: #333;
15      color: white;
16      text-align: center;
17      padding: 10px;
18      margin-top: 20px;
19  }
20  h1, h2, h3 {
21      margin: 10px 0;
22  }
23  figure img {
24      max-width: 100px;
25      border-radius: 50%;
26  }
27  progress {
28      width: 100%;
29  }
30  ul {
31      list-style: none;
32      padding: 0;
33  }
34  ul li {
35      margin-bottom: 10px;

```

```

55      margin-bottom: 10px;
56  }
57  </style>
58  </head>
59  <body>
60
61  <header>
62      <h1>My Professional Resume</h1>
63  </header>
64
65  <nav>
66      <h2>Navigation</h2>
67      <ul>
68          <li><a href="#about">About Me</a></li>
69          <li><a href="#education">Education</a></li>
70          <li><a href="#experience">Experience</a></li>
71          <li><a href="#skills">Skills</a></li>
72          <li><a href="#media">Media</a></li>
73      </ul>
74  </nav>
75
76  <main>
77      <section id="about">
78          <h2>Sara Arora</h2>
79          <p>Engineering Student-Artist-Writer</p>
80          <figure>
81              
82              <figcaption>Sara Arora-Engineering Student</figcaption>
83          </figure>
84          <p>A motivated engineering student with 1+ years of experience in building scalable web applications.</p>
85      </section>
86
87      <section id="education">
88          <h2>Education</h2>
89      </section>

```



```
    background-color: #f4f3f3;
}

header {
    background-color: #333;
    color: white;
    text-align: center;
    padding: 20px;
}

nav {
    float: left;
    width: 20%;
    background-color: #ddd;
    padding: 20px;
    box-sizing: border-box;
    height: 100vh;
}

main {
    float: left;
    width: 55%;
    padding: 20px;
    box-sizing: border-box;
    background-color: white;
    box-shadow: 0px 0px 5px rgba(0, 0, 0, 0.2);
}

aside {
    float: right;
    width: 20%;
    background-color: #f9f9f9;
    padding: 20px;
    box-sizing: border-box;
    box-shadow: 0px 0px 5px rgba(211, 21, 7.2);
}
```

```
}

footer {

    clear: both;

    background-color: #333;

    color: white;

    text-align: center;

    padding: 10px;

    margin-top: 20px;

}

h1, h2, h3 {

    margin: 10px 0;

}

figure img {

    max-width: 100px;

    border-radius: 50%;

}

progress {

    width: 100%;

}

ul {

    list-style: none;

    padding: 0;

}

ul li {

    margin-bottom: 10px;

}

</style>

</head>

<body>

<header>
```

```
<h1>My Professional Resume</h1>
</header>

<nav>
  <h2>Navigation</h2>
  <ul>
    <li><a href="#about">About Me</a></li>
    <li><a href="#education">Education</a></li>
    <li><a href="#experience">Experience</a></li>
    <li><a href="#skills">Skills</a></li>
    <li><a href="#media">Media</a></li>
  </ul>
</nav>

<main>
  <section id="about">
    <h2>Sara Arora</h2>
    <p>Engineering Student-Artist-Writer</p>
    <figure>
      
      <figcaption>Sara Arora-Engineering Student</figcaption>
    </figure>
    <p>A motivated engineering student with 1+ years of experience in building scalable web applications.</p>
  </section>

  <section id="education">
    <h3>Education</h3>
    <ul>
      <li>Schooling- Alwar Public School (2004-2023)</li>
      <li>Btech in Software Engineering - VIT University (2023-2027)</li>
    </ul>
  </section>
</main>
```

</ul>

</section>

<section id="experience">

<h3>Work Experience</h3>

<ul>

<li><strong>Intership</strong> - Luci's Lab (2024-2025)</li>

</ul>

</section>

<section id="skills">

<h3>Skills</h3>

<ul>

<li>HTML, CSS, JavaScript <progress value="90" max="100"></progress></li>

<li>Python <progress value="85" max="100"></progress></li>

<li>React <progress value="80" max="100"></progress></li>

</ul>

</section>

</main>

<aside>

<h2>Quick Facts</h2>

<ul>

<li>Proficient in HTML, CSS, and JavaScript</li>

<li>Published 2 Patterns</li>

</ul>

</aside>

<footer style="background-color: rgba(59, 59, 214, 0.642);">

<p>&copy; 2025 Sara Arora. All rights reserved.</p>

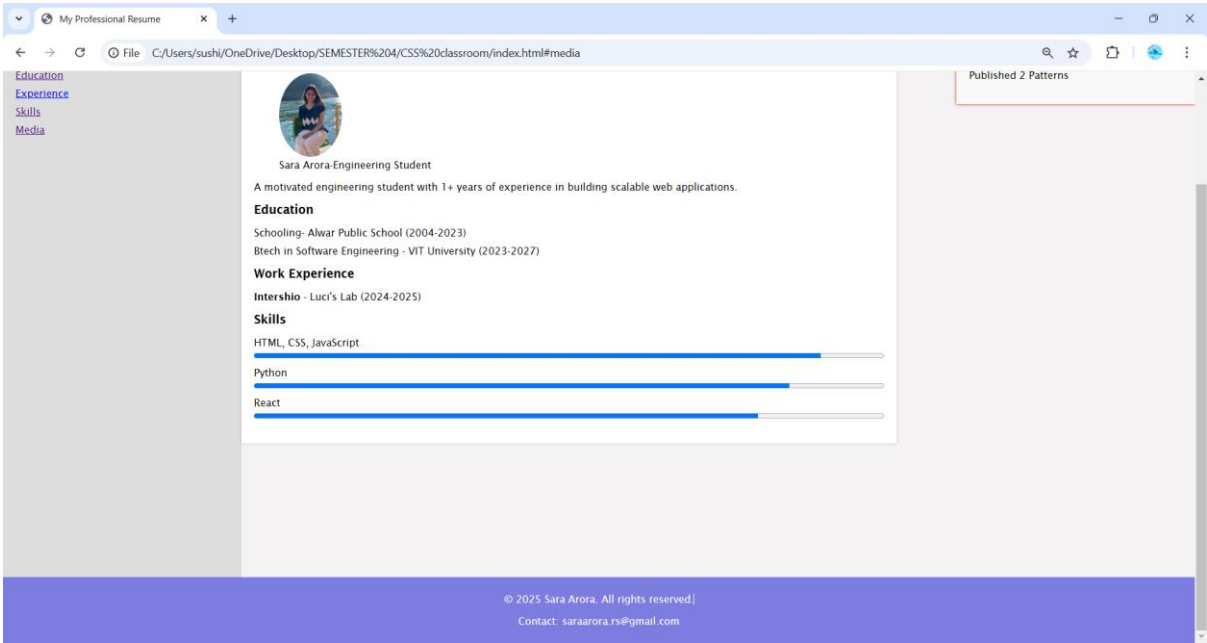
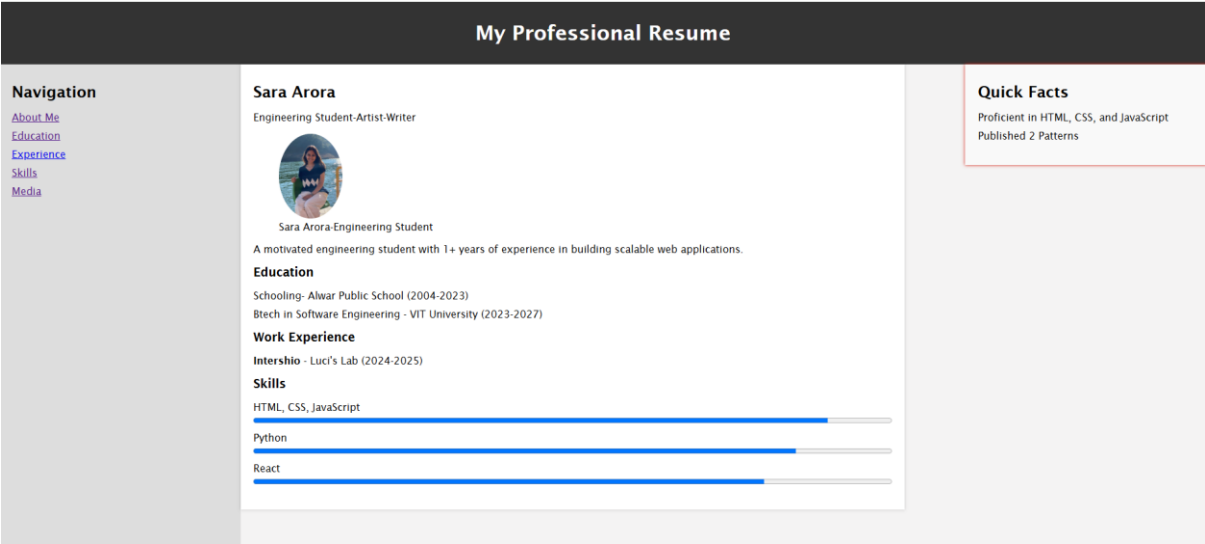
<p>Contact: saraarora.rs@gmail.com</p>

</footer>

</body>

</html>

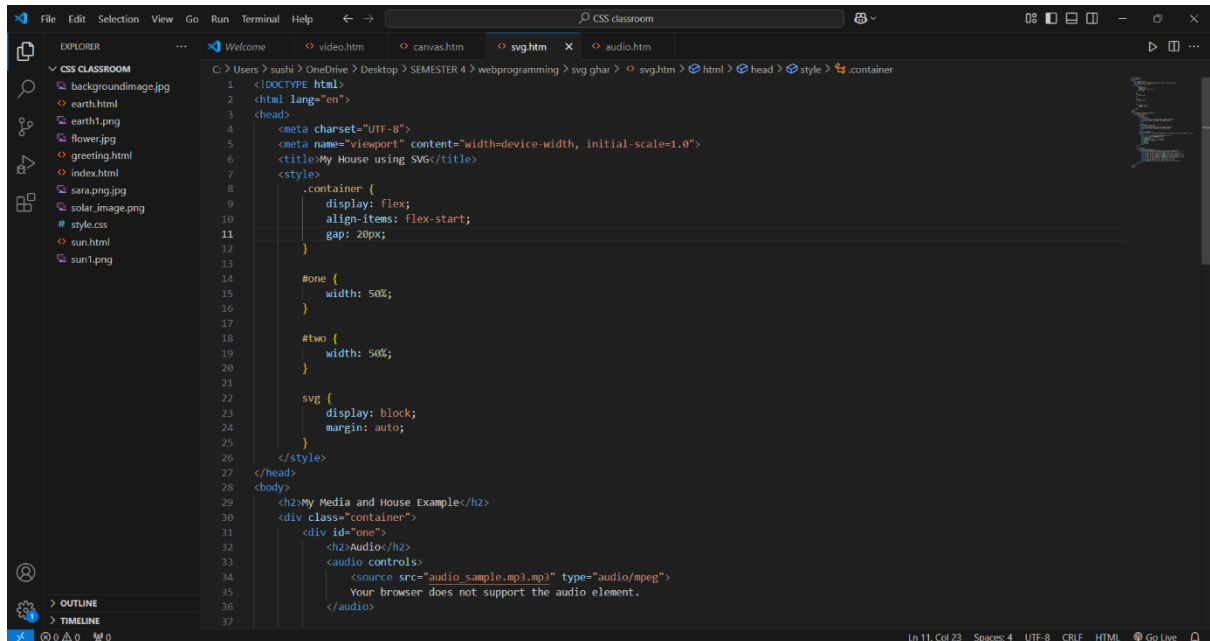
Output:



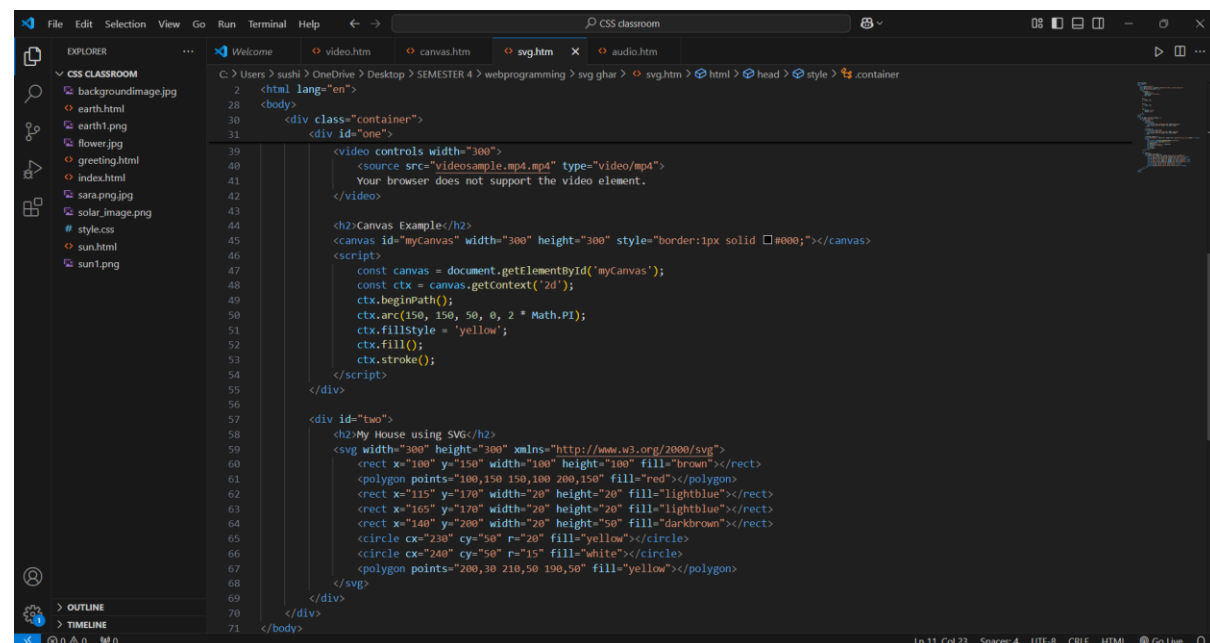


## Question-2

Code:



```
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>My House using SVG</title>
7   <style>
8     .container {
9       display: flex;
10      align-items: flex-start;
11      gap: 20px;
12    }
13
14    #one {
15      width: 50%;
16    }
17
18    #two {
19      width: 50%;
20    }
21
22    svg {
23      display: block;
24      margin: auto;
25    }
26  </style>
27 </head>
28 <body>
29   <h2>My Media and House Example</h2>
30   <div class="container">
31     <div id="one">
32       <h2>Audio</h2>
33       <audio controls>
34         <source src="audio_sample.mp3.mp3" type="audio/mpeg">
35         Your browser does not support the audio element.
36       </audio>
37     </div>
```



```
39 <video controls width="300">
40   <source src="videosample.mp4.mp4" type="video/mp4">
41   Your browser does not support the video element.
42 </video>
43
44 <h2>Canvas Example</h2>
45 <canvas id="myCanvas" width="300" height="300" style="border:1px solid #000;"></canvas>
46 <script>
47   const canvas = document.getElementById("myCanvas");
48   const ctx = canvas.getContext("2d");
49   ctx.beginPath();
50   ctx.arc(150, 150, 50, 0, 2 * Math.PI);
51   ctx.fillStyle = 'yellow';
52   ctx.fill();
53   ctx.stroke();
54 </script>
55 </div>
56
57 <div id="two">
58   <h2>My House using SVG</h2>
59   <svg width="300" height="300" xmlns="http://www.w3.org/2000/svg">
60     <rect x="100" y="150" width="100" height="100" fill="brown"></rect>
61     <polygon points="100,150 150,100 200,150" fill="red"></polygon>
62     <rect x="115" y="170" width="20" height="20" fill="lightblue"></rect>
63     <rect x="165" y="170" width="20" height="20" fill="lightblue"></rect>
64     <rect x="140" y="200" width="20" height="50" fill="darkbrown"></rect>
65     <circle cx="230" cy="50" r="20" fill="yellow"></circle>
66     <circle cx="240" cy="50" r="15" fill="white"></circle>
67     <polygon points="200,30 210,50 190,50" fill="yellow"></polygon>
68   </svg>
69 </div>
70 </div>
71 </body>
```

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>23BCE5036</title>

```
<style>

.container {
    display: flex;
    align-items: flex-start;
    gap: 20px;
}

#one {
    width: 50%;
}

#two {
    width: 50%;
}

svg {
    display: block;
    margin: auto;
}

</style>
</head>
<body>

<h2>My Media and House Example</h2>
<div class="container">
    <div id="one">
        <h2>Audio</h2>
        <audio controls>
            <source src="audio_sample.mp3.mp3" type="audio/mpeg">
            Your browser does not support the audio element.
        </audio>
    </div>
    <div id="two">
        <h2>House</h2>
        <img alt="A simple line drawing of a house with a chimney, a door, and a window." data-bbox="131 290 250 450"/>
    </div>
</div>
</body>
</html>
```

```
<h2>Video</h2>
```

```
<video controls width="300">
```

```
  <source src="videosample.mp4.mp4" type="video/mp4">
```

```
  Your browser does not support the video element.
```

```
</video>
```

```
<h2>Canvas Example</h2>
```

```
<canvas id="myCanvas" width="300" height="300" style="border:1px solid #000;"></canvas>
```

```
<script>
```

```
  const canvas = document.getElementById('myCanvas');
```

```
  const ctx = canvas.getContext('2d');
```

```
  ctx.beginPath();
```

```
  ctx.arc(150, 150, 50, 0, 2 * Math.PI);
```

```
  ctx.fillStyle = 'yellow';
```

```
  ctx.fill();
```

```
  ctx.stroke();
```

```
</script>
```

```
</div>
```

```
<div id="two">
```

```
  <h2>My House using SVG</h2>
```

```
  <svg width="300" height="300" xmlns="http://www.w3.org/2000/svg">
```

```
    <rect x="100" y="150" width="100" height="100" fill="brown"></rect>
```

```
    <polygon points="100,150 150,100 200,150" fill="red"></polygon>
```

```
    <rect x="115" y="170" width="20" height="20" fill="lightblue"></rect>
```

```
    <rect x="165" y="170" width="20" height="20" fill="lightblue"></rect>
```

```
    <rect x="140" y="200" width="20" height="50" fill="darkbrown"></rect>
```

```
    <circle cx="230" cy="50" r="20" fill="yellow"></circle>
```

```
    <circle cx="240" cy="50" r="15" fill="white"></circle>
```

```
    <polygon points="200,30 210,50 190,50" fill="yellow"></polygon>
```

```
</svg>
```

```
</div>
</div>
</body>
</html>
```

Output:

