INDEX

1. Create a time table using HTML and CSS.

<u>index.html</u>

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="styles.css">
    <title>Timetable</title>
</head>

<body>
    <header>
        <h1>Timetable</h1>
        <h2>1st Year, <a href=https://www.sjc.ac.in/computerdepartment.php
            target="_blank">M.Sc. Computer Science</a>, 2022-2024</h2>
    </header>

    <main>

        <table>

            <tr>
                <th>
                    Day/Time
                </th>
                <td>
                    9:15AM-10:05AM
                </td>
                <td>
                    10:10AM-11:00AM
                </td>
                <td>
                    11:05AM-11:55AM
                </td>
                <td>
                    12PM-12:55PM
                </td>
                <td>
                    12:55PM-1:50PM
                </td>
```

```
            <td>
                1:50PM-2:40PM
            </td>
            <td>
                2:45PM-3:35PM
            </td>
            <td>
                3:35PM-4:30PM
            </td>
        </tr>

        <tr>
            <th>
                Monday
            </th>
            <td>
                AWT/ADBMS Lab
            </td>
            <td>
                AWT/ADBMS Lab
            </td>
            <td>
                AWT/ADBMS Lab
            </td>
            <td>
                AWT
            </td>
            <td>
                L
            </td>
            <td>
                ADBMS
            </td>
            <td>
                SPM
            </td>
            <td>
                ML
            </td>
        </tr>

        <tr>
            <th>
                Tuesday
            </th>
```

```html
            <td>
                ML Lab
            </td>
            <td>
                ML Lab
            </td>
            <td>
                ML Lab
            </td>
            <td>
                CD
            </td>
            <td>
                U
            </td>
            <td>
                ML
            </td>
            <td>
                ADBMS
            </td>
            <td>
                Library
            </td>
        </tr>

        <tr>
            <th>
                Wednesday
            </th>
            <td>
                AWT/ADBMS Lab
            </td>
            <td>
                AWT/ADBMS Lab
            </td>
            <td>
                AWT/ADBMS Lab
            </td>
            <td>
                SPM
            </td>
            <td>
                N
            </td>
```

```html
            <td>
                CD
            </td>
            <td>
                AWT
            </td>
            <td>
                ML
            </td>
        </tr>

        <tr>
            <th>
                Thursday
            </th>
            <td>
                ML Lab
            </td>
            <td>
                ML Lab
            </td>
            <td>
                ML Lab
            </td>
            <td>
                CD
            </td>
            <td>
                C
            </td>
            <td>
                AWT
            </td>
            <td>
                SPM
            </td>
            <td>
                Library
            </td>
        </tr>

        <tr>
            <th>
                Friday
            </th>
```

```html
                        <td>
                            ADBMS
                        </td>
                        <td>
                            ML
                        </td>
                        <td>
                            AWT
                        </td>
                        <td>
                            SPM
                        </td>
                        <td>
                            H
                        </td>
                        <td>
                            ADBMS
                        </td>
                        <td>
                            CD
                        </td>
                        <td>
                            Library
                        </td>
                    </tr>

            </table>

        </main>

</body>

</html>
```

styles.css

```css
body {
    font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans
Unicode', Geneva, Verdana, sans-serif;
    margin: auto;
}

header {
    padding: 5px;
    text-align: center;
    box-shadow: 10px 10px 8px #83dada;
}

table {
    width: 100%;
    max-width: 1500px;
    margin: 0 auto;
    box-shadow: 10px 10px 8px #5ca299;
}

table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
    padding: 5px 3px;
    text-align: center;
}

a:default {
    color:rgb(14, 14, 85);
}

a:visited {
    color: #5ca299;
}

a:hover {
    color:rgb(189, 125, 169);
}
```

Output

<table>
<tr><td colspan="9" align="center">**Timetable**

1st Year, M.Sc. Computer Science, 2022-2024</td></tr>
</table>

Day/Time	9:15AM-10:05AM	10:10AM-11:00AM	11:05AM-11:55AM	12PM-12:55PM	12:55PM-1:50PM	1:50PM-2:40PM	2:45PM-3:35PM	3:35PM-4:30PM
Monday	AWT/ADBMS Lab	AWT/ADBMS Lab	AWT/ADBMS Lab	AWT	L	ADBMS	SPM	ML
Tuesday	ML Lab	ML Lab	ML Lab	CD	U	ML	ADBMS	Library
Wednesday	AWT/ADBMS Lab	AWT/ADBMS Lab	AWT/ADBMS Lab	SPM	N	CD	AWT	ML
Thursday	ML Lab	ML Lab	ML Lab	CD	C	AWT	SPM	Library
Friday	ADBMS	ML	AWT	SPM	H	ADBMS	CD	Library

2. Create a static website for an online business which includes a registration page, which contains these:

> (a) Home (At least 3 div elements)
> (b) Login (A Form)
> (c) Registration Page (A Form)

index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="preconnect" href="https://fonts.googleapis.com" />
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
    <link rel="stylesheet" href="styles.css" />
    <link
      href="https://fonts.googleapis.com/css2?family=Source+Serif+Pro&display=swa
      p"
      rel="stylesheet"
    />
    <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@300&display=swap"
rel="stylesheet">
    <link href="https://fonts.googleapis.com/css2?family=Philosopher&display=swap"
rel="stylesheet">
    <title>Wholesome Bakes</title>
  </head>
  <body>
    <header>
      <div id="navbar">
        <h1 id="nav-logo">Wholesome Bakes</h1>
        <ul id="nav-list">
          <li><a href="#home">Home</a></li>
          <li><a href="#products">Products</a></li>
          <li><a href="#register">Register</a></li>
          <li><a href="#contact-us">Contact Us</a></li>
          <li><a href="login.html" target="_blank">Login</a></li>
        </ul>
```

```html
        </div>
    </header>
    <main>
      <section id="home">
        <div id="home-header">
            <h2>Fresh, Delicious, Homely.</h2>
            <h3>We are committed to quality services, everywhere, all the
            time.</h3>
            <figure>
                <img src="bakery.jpg" alt="Bakery Shop">
                    <figcaption>Photo by <a
                    href="https://unsplash.com/fr/@blsnki?utm_source=unsplash&utm_med
                    ium=referral&utm_content=creditCopyText">Yeh Xintong</a> on <a
                    href="https://unsplash.com/photos/go3DT3PpIw4?utm_source=unsplash
                    &utm_medium=referral&utm_content=creditCopyText">Unsplash</a>
                </figcaption>
            </figure>
        </div>

      </section>
      <section id="about-us">
      </section>
      <section id="products">
      </section>

      <section id="register">
        <div>
            <h3>Register now!</h3>
            <form action="submitted.html" method="post" onsubmit="validate()">
                <section id="personal-details">
                  <label for="name"
                    >Enter your name:
                    <br />
                    <input type="text" name="name" id="name" placeholder="Enter
                     your name..." required />
                  </label>
                  <label for="email"
                    >Enter your email:
                    <br />
                    <input type="email" name="email" id="email"
                     placeholder="Enter your email..."required />
```

```html
          </label>
          <label for="dob"
            >Enter your date of birth:
            <br />
            <input type="date" name="dob" id="dob" required />
          </label>
        </section>

        <section id="gender-details">
          <label for="gender-choices">Select your gender:</label>
          <ul>
            <li>
              <input type="radio" name="gender" id="gender-f" value="f"
                />F
            </li>
            <li>
              <input type="radio" name="gender" id="gender-m" value="m"
                />M
            </li>
            <li>
              <input
                type="radio"
                name="gender"
                id="gender-o"
                value="other"
              />Other
            </li>
          </ul>
        </section>

        <section id="source-section">
          <label for="sources">Where did you hear about us?</label>
          <br />
          <select name="" id="">
            <option value="">(select one)</option>
            <option value="instagram">Instagram</option>
            <option value="twitter">Twitter</option>
            <option value="facebook">Facebook</option>
            <option value="website">Our Official Website</option>
          </select>
        </section>
```

```html
                    <section id="comment-box">
                      <label for="comments">Any suggestions/comments for us?</label>
                      <br />
                      <textarea
                        name="comments-area"
                        id="comments"
                        cols="30"
                        rows="5"
                        placeholder="Enter your comments here..."
                      ></textarea>
                    </section>

                    <section>
                      <label for="password-box">Enter your password</label>
                      <br />
                      <input
                        type="password"
                        id="password-box"
                        name="password-box"
                        placeholder="Enter your password..."
                        required
                      />
                    </section>
                    <br />

                    <section>
                      <label for="confirm-pwd">Re-enter your password</label>
                      <br />
                      <input type="password" id="confirm-pwd" name="confirm-pwd"
                       placeholder="Enter your password..."/>
                    </section>
                    <br />

                    <section id="submit-section">
                      <input type="submit" name="" id="submit-btn" value="Submit" />
                    </section>
                  </form>
              </div>

         </section>
```

```html
    </main>
    <footer>
      <section id="contact-us">
      </section>
    </footer>
  </body>
</html>
```

login.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="preconnect" href="https://fonts.googleapis.com" />
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
    <link rel="stylesheet" href="styles.css" />
    <link
      href="https://fonts.googleapis.com/css2?family=Source+Serif+Pro&display=swap"
      rel="stylesheet"
    />
    <link
      href="https://fonts.googleapis.com/css2?family=Montserrat:wght@300&display=swap
      " rel="stylesheet"
    />
    <link
      href="https://fonts.googleapis.com/css2?family=Philosopher&display=swap"
      rel="stylesheet"
    />
    <title>Login</title>
  </head>
  <body>
    <header id="login-header">
      <h1>Welcome to Wholesome Bakes!</h1>
    </header>
    <main>
      <section id="login-screen">
        <section id="login">
          <div>
            <h3>Log In</h3>
            <form action="submitted.html" method="post" onsubmit="validate()">
              <section id="personal-details">
                <label for="email"
                  >Enter your email:
                  <br />
                  <input
```

```html
                        type="email"
                        name="email"
                        id="email"
                        placeholder="Enter your email..."
                        required
                      />
                    </label>
                </section>
                <br />
                <section>
                    <label for="password-box">Enter your password</label>
                    <br />
                    <input
                      type="password"
                      id="password-box"
                      name="password-box"
                      placeholder="Enter your password..."
                      required
                    />
                </section>
                <br />

                <section id="submit-section">
                    <input type="submit" name="" id="submit-btn" value="Submit" />
                </section>
            </form>
          </div>
        </section>
      </section>
    </main>
  </body>
</html>
```

styles.css

```css
* {
  box-sizing: border-box;
}

html,
::before,
::after {
  box-sizing: inherit;
}

body {
  margin: 0;
  font-family: "Philosopher", sans-serif;
  background-color: #3a071b;
}

#navbar {
  display: grid;
  grid-template-columns: auto auto;
  align-items: center;
  background-color: #3a071b;
  background-size: cover;
  position: fixed;
  height: 12vh;
  width: 100vw;
  max-width: 100%;
}

#navbar #nav-logo {
  padding: 0 0.5rem 0 0.5rem;
  text-transform: uppercase;
  color: #ecd4f1;
  font-size: clamp(0.5rem, 10rem, 2rem);
}

#navbar #nav-list {
  display: flex;
  flex-direction: row;
```

```css
    justify-content: space-evenly;
    align-items: center;
}

#nav-list li {
    list-style-type: none;
    text-transform: uppercase;
    font-size: clamp(0.2rem, 5rem, 1.1rem);
    font-weight: bold;
}

#nav-list a {
    text-decoration: none;
    color: #ecd4f1;
}

#nav-list a:hover {
    text-shadow: 1px 0.1px 5px rgba(255, 255, 255, 0.541);
}

#home {
    height: 110vh;
    width: 100vw;
    max-width: 100%;
    padding-top: 4.5rem;
    background-color: #d1bcd6;
}

#home #home-header {
    display: flex;
    flex-direction: column;
    text-align: center;
    font-family: "Source Serif Pro", serif;
}

#home-header h2,
#home-header h3 {
    margin: 0;
}

#home-header h2 {
```

```css
    padding-top: 1rem;
    text-shadow: 1px 0.1px 5px #ffffff;
}

#home-header h3 {
    padding-top: 0.4rem;
    padding-bottom: 0.2rem;
    text-shadow: 1px 0.1px 5px #ffffff;
}

#home figure figcaption {
    font-family: "Source Serif Pro", serif;
    font-family: "Philosopher", sans-serif;
    font-size: clamp(0.1rem, 1rem, 0.6rem);
    color: rgba(0, 0, 0, 0.432);
}

#home figure figcaption a {
    color: rgba(0, 0, 0, 0.432);
    text-decoration: none;
}

#register {
    height: 120vh;
    background: #a36e84;
}

#register div,
#login div {
    display: flex;
    flex-direction: column;
    align-items: center;
}

#register div h3,
#login div h3 {
    text-transform: uppercase;
    font-size: clamp(1rem, 6rem, 2rem);
    text-shadow: 1px 0.5px 3px #ecd4f1;
}
```

```css
form {
  background-color: rgba(25, 0, 0, 0.5);
  color: rgb(255, 255, 255);
  border: 1px solid #3a071b8e;
  border-radius: 13px;
  display: block;
  margin: 0 auto;
  width: 500px;
  padding: 1rem 1rem;
  font-family: "Source Serif Pro", serif;
  font-family: "Philosopher", sans-serif;
}

input {
  font-family: "Montserrat", sans-serif;
}

#personal-details label {
  display: block;
  padding-bottom: 5px;
}

#personal-details input {
  width: 150px;
}

#gender-details {
  margin-top: 5px;
}

#gender-details label {
  display: block;
  margin-bottom: -10px;
}

#gender-details ul {
  padding-left: 0;
}

#gender-details li {
  list-style-type: none;
```

```css
}

#class-details {
  margin-top: -7px;
}

#class-details label {
  display: block;
  margin-bottom: -10px;
}

#class-details ul {
  padding-left: 0;
}

#class-details li {
  list-style-type: none;
}

#source-section {
  display: block;
  margin-top: -5px;
  margin-bottom: 15px;
}

#source-section select {
  font-family: "Montserrat", sans-serif;
}

#source-section option {
  font-family: "Montserrat", sans-serif;
  color: black;
  font-weight: 600;
}

#comment-box {
  margin-top: -5px;
  margin-bottom: 5px;
}

#comment-box textarea {
```

```css
    font-family: "Montserrat", sans-serif;
    color: black;
}

#submit-btn {
    background: #3a071b;
    background-size: cover;
    background-repeat: no-repeat;
    color: aliceblue;
    border: 1px solid #d1bcd6;
    border-radius: 10px;
    width: 7vw;
    height: 4vh;
    text-transform: uppercase;
}

#submit-btn:hover {
    background-size: cover;
    background-repeat: no-repeat;
    color: #3a071b;
    background-color: #d1bcd6;
    border: 1px solid #3a071b;
}

#login-header,
#login-screen {
    display: flex;
    flex-direction: column;
    /* background: #a36e84; */
    align-items: center;
}

#login-header {
    color:#ecd4f1;
}

#login-header h1 {
    text-transform: uppercase;
}

#login-screen #yum {
```

```css
    color:#ecd4f1;
}


#login-screen #login-msg {
    color: #3a071b;
}


#login {
    height: 60vh;
    width: 100vw;
    background-color: #d1bcd6;
}
```

Output

3. Create a static webpage for an online bookstore which contains a catalogue of available books.

index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="preconnect" href="https://fonts.googleapis.com" />
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
    <link rel="stylesheet" href="styles.css" />
    <link
      href="https://fonts.googleapis.com/css2?family=Montserrat:wght@300&display=swap
      " rel="stylesheet"
    />
    <link
      href="https://fonts.googleapis.com/css2?family=IBM+Plex+Mono:wght@200&display=s
      wap"
      rel="stylesheet"
    />
    <link
      href="https://fonts.googleapis.com/css2?family=Rokkitt:wght@100&display=swap"
      rel="stylesheet"
    />
    <link href="https://fonts.googleapis.com/css2?family=Roboto+Mono&display=swap"
     rel="stylesheet">
    <title>Bookworm</title>
  </head>
  <body>
    <header>
      <div id="navbar">
        <h1 id="nav-logo">Bookworm</h1>
        <ul id="nav-list">
          <li><a href="#home">Home</a></li>
          <li><a href="#books">Books</a></li>
          <li><a href="#register">Register</a></li>
          <li><a href="#contact-us">Contact Us</a></li>
          <li><a href="login.html" target="_blank">Login</a></li>
```

```html
          </ul>
      </div>
  </header>
  <main>
    <section id="home">
      <div id="home-header">
        <figure>
          <img src="bookstore.jpg" alt="Book Store" />
          <figcaption>
            Photo by
            <a
              href="https://unsplash.com/@ninjason?utm_source=unsplash&utm_medium=r
              eferral&utm_content=creditCopyText"
              >Jason Leung</a
            >
            on
            <a
              href="https://unsplash.com/photos/gWZzETD0Ad4?utm_source=unsplash&utm
              _medium=referral&utm_content=creditCopyText"
              >Unsplash</a
            >
          </figcaption>
        </figure>
        <h2>Enter a world, of your choice...</h2>
      </div>
    </section>
    <section id="about-us"></section>
    <section id="books">
      <div>
        <ul>
          <li>
            <figure>
              <img
                src="https://images-na.ssl-images-
                amazon.com/images/S/compressed.photo.goodreads.com/
                books/1542542538i/42857229.jpg"
                alt=""
              />
              <figcaption>The Year of the Ladybird, Graham Joyce</figcaption>
            </figure>
          </li>
```

```
<li>
    <figure>
        <img
          src="https://m.media-amazon.com/images/W/IMAGERENDERING_521856-
          T1/images/I/51I9fQLhnpL.jpg"
          alt=""
        />
        <figcaption>Inception (The Marked Saga Book 1), Bianca
          Scardoni</figcaption>
      </figure>
</li>
<li><figure>
    <img
      src="https://m.media-amazon.com/images/W/IMAGERENDERING_521856-
      T1/images/I/81tNBrrGSJL.jpg"
      alt=""
    />
    <figcaption>The Loser, Thomas Bernhard</figcaption>
  </figure></li>
  </ul>
</div>
<div>
  <ul>
    <li><figure>
        <img
          src="https://m.media-amazon.com/images/W/IMAGERENDERING_521856-
          T1/images/I/71SCqfZfHEL.jpg"
          alt=""
        />
        <figcaption>Atonement, Ian McEwan</figcaption>
      </figure></li>
    <li><figure>
        <img
          src="https://m.media-amazon.com/images/W/IMAGERENDERING_521856-
          T1/images/I/71kW3I8WH5L.jpg"
          alt=""
        />
        <figcaption>Gilead, Marilynne Robinson</figcaption>
      </figure></li>
    <li><figure>
        <img
```

```html
                    src="https://m.media-amazon.com/images/W/IMAGERENDERING_521856-
                    T1/images/I/51GTpkH-JJL._SX343_BO1,204,203,200_.jpg"
                    alt=""
                  />
                  <figcaption>The Fire Eternal, Chris d'Lacey</figcaption>
                </figure></li>
          </ul>
        </div>
        <div>
          <ul>
            <li><figure>
                  <img
                    src="https://m.media-amazon.com/images/W/IMAGERENDERING_521856-
                    T1/images/I/91ZaXXD8K8L.jpg"
                    alt=""
                  />
                  <figcaption>Ringworld, Larry Niven</figcaption>
                </figure></li>
            <li><figure>
                  <img
                    src="https://m.media-amazon.com/images/W/IMAGERENDERING_521856-
                    T1/images/I/71mWiiUV9ZL.jpg"
                    alt=""
                  />
                  <figcaption>History Is All You Left Me, Adam Silvera</figcaption>
                </figure></li>
            <li><figure>
                  <img
                    src="https://m.media-amazon.com/images/W/IMAGERENDERING_521856-
                    T1/images/I/71XtGTK8OpL.jpg"
                    alt=""
                  />
                  <figcaption>Trainspotting, Irvine Welsh</figcaption>
                </figure></li>
          </ul>
        </div>
      </section>
      <section id="register">
        <div>
          <h3>Register now!</h3>
          <form action="submitted.html" method="post" onsubmit="validate()">
```

```html
<section id="personal-details">
  <label for="name"
    >Enter your name:
    <br />
    <input
      type="text"
      name="name"
      id="name"
      placeholder="Enter your name..."
      required
    />
  </label>
  <label for="email"
    >Enter your email:
    <br />
    <input
      type="email"
      name="email"
      id="email"
      placeholder="Enter your email..."
      required
    />
  </label>
  <label for="dob"
    >Enter your date of birth:
    <br />
    <input type="date" name="dob" id="dob" required />
  </label>
</section>

<section id="gender-details">
  <label for="gender-choices">Select your gender:</label>
  <ul>
    <li>
      <input type="radio" name="gender" id="gender-f" value="f" />F
    </li>
    <li>
      <input type="radio" name="gender" id="gender-m" value="m" />M
    </li>
    <li>
      <input
```

```
          type="radio"
          name="gender"
          id="gender-o"
          value="other"
        />Other
      </li>
    </ul>
  </section>

  <section id="source-section">
    <label for="sources">Where did you hear about us?</label>
    <br />
    <select name="" id="">
      <option value="">(select one)</option>
      <option value="instagram">Instagram</option>
      <option value="twitter">Twitter</option>
      <option value="facebook">Facebook</option>
      <option value="website">Our Official Website</option>
    </select>
  </section>

  <section id="comment-box">
    <label for="comments">Any suggestions/comments for us?</label>
    <br />
    <textarea
      name="comments-area"
      id="comments"
      cols="30"
      rows="5"
      placeholder="Enter your comments here..."
    ></textarea>
  </section>

  <section>
    <label for="password-box">Enter your password</label>
    <br />
    <input
      type="password"
      id="password-box"
      name="password-box"
      placeholder="Enter your password..."
```

```
                required
              />
            </section>
            <br />

            <section>
              <label for="confirm-pwd">Re-enter your password</label>
              <br />
              <input
                type="password"
                id="confirm-pwd"
                name="confirm-pwd"
                placeholder="Enter your password..."
              />
            </section>
            <br />

            <section id="submit-section">
              <input type="submit" name="" id="submit-btn" value="Submit" />
            </section>
          </form>
        </div>
      </section>
    </main>
    <footer>
      <section id="contact-us"></section>
    </footer>
  </body>
</html>
```

styles.css

```css
* {
  box-sizing: border-box;
}

html,
::before,
::after {
  box-sizing: inherit;
}

body {
  margin: 0;
  font-family: 'IBM Plex Mono', monospace;
  background-color: #7591ec;
}

#navbar {
  display: grid;
  grid-template-columns: auto auto;
  align-items: center;
  background-color: #07153a;
  background-size: cover;
  position: fixed;
  height: 13vh;
  width: 100vw;
  max-width: 100%;
}

#navbar #nav-logo {
  padding: 0 0.5rem 0 0.5rem;
  text-transform: uppercase;
  color: #ffffff;
  font-size: clamp(0.5rem, 10rem, 2rem);
}

#navbar #nav-list {
  display: flex;
  flex-direction: row;
  justify-content: space-evenly;
```

```css
    align-items: center;
}

#nav-list li {
  list-style-type: none;
  text-transform: uppercase;
  font-size: clamp(0.2rem, 5rem, 1.1rem);
  font-weight: bold;
}

#nav-list a {
  text-decoration: none;
  color: #ffffff;
}

#nav-list a:hover {
  text-shadow: 1px 0.1px 5px rgba(255, 255, 255, 0.541);
}

#home {
  height: 105vh;
  width: 100vw;
  max-width: 100%;
  padding-top: 4.5rem;
  background-color: #bfccf7;
}

#home #home-header {
  display: flex;
  flex-direction: column;
  text-align: center;
  font-family: 'IBM Plex Mono', monospace;
  font-style: italic;
  letter-spacing: 0.2rem;
  /* font-family: 'Rokkitt', serif;     */
}

#home-header h2,
#home-header h3 {
  margin: 0;
  font-weight: 600;
```

```css
    }


  #home figure {
    margin-bottom: 0;
    padding-bottom: 1.4rem;
}

  #home figure figcaption {
    font-family: 'Rokkitt', serif;
    font-size: clamp(0.1rem, 1rem, 0.7rem);
    font-weight: 600;
    color: #00000085;
  }

  #home figure figcaption a {
    color: rgba(0, 0, 0, 0.774);
    text-decoration: none;
  }

  #books {
    display: grid;
    grid-template-columns: auto auto auto;
    height: 150vh;
    padding-top:1rem;
    background-color: #07153a;
}

  #books li {
    list-style-type: none;
  }

  #books figure {
    display: flex;
    flex-direction: column;
    align-items: center;
  }

  #books figure figcaption{
    padding-top: 0.1rem;
    color:#b0c1f8;
```

```css
      font-size: clamp(0.2rem, 1rem, 0.7rem);
      font-family: 'Roboto Mono', monospace;
      font-style: italic;
      letter-spacing: 0.5px;

}

  #books img {
    height: 40vh;
    width:fit-content;
  }

  #register {
    height: 120vh;
    background-color: #7591ec;
  }

  #register div,
  #login div {
    display: flex;
    flex-direction: column;
    align-items: center;
  }

  #register div h3,
  #login div h3 {
    text-transform: uppercase;
    font-size: clamp(1rem, 6rem, 2rem);
    text-shadow: 1px 0.5px 3px #07153abd;
  }

  form {
    background-color: #07153abd;
    color: rgb(255, 255, 255);
    border: 1px solid #07153ac2;
    border-radius: 13px;
    display: block;
    margin: 0 auto;
    width: 500px;
    padding: 1rem 1rem;
    font-family: 'Rokkitt', serif;
```

```css
    font-weight: 500;
    font-size: clamp(0.5rem,3rem,1.2rem);
}

input {
    font-family: "Montserrat", sans-serif;
}

#personal-details label {
    display: block;
    padding-bottom: 5px;
}

#personal-details input {
    width: 150px;
}

#gender-details {
    margin-top: 5px;
}

#gender-details label {
    display: block;
    margin-bottom: -10px;
}

#gender-details ul {
    padding-left: 0;
}

#gender-details li {
    list-style-type: none;
}

#class-details {
    margin-top: -7px;
}

#class-details label {
    display: block;
    margin-bottom: -10px;
```

```css
}

#class-details ul {
  padding-left: 0;
}

#class-details li {
  list-style-type: none;
}

#source-section {
  display: block;
  margin-top: -5px;
  margin-bottom: 15px;
}

#source-section select {
  font-family: "Montserrat", sans-serif;
}

#source-section option {
  font-family: "Montserrat", sans-serif;
  color: black;
  font-weight: 600;
}

#comment-box {
  margin-top: -5px;
  margin-bottom: 5px;
}

#comment-box textarea {
  font-family: "Montserrat", sans-serif;
  color: black;
}

#submit-btn {
  background: #07153a;
  background-size: cover;
  background-repeat: no-repeat;
  color: aliceblue;
```

```css
  border: 1px solid #7591ec;
  border-radius: 10px;
  width: 7vw;
  height: 4vh;
  text-transform: uppercase;
}

#submit-btn:hover {
  background-size: cover;
  background-repeat: no-repeat;
  color: #07153a;
  background-color: #7591ec;
  border: 1px solid #07153a;
}

#login-header,
#login-screen {
  display: flex;
  flex-direction: column;
  /* background: #a36e84; */
  align-items: center;
}

#login-header {
  color:#ecd4f1;
}

#login-header h1 {
  text-transform: uppercase;
}

#login-screen #yum {
  color:#ecd4f1;
}

#login-screen #login-msg {
  color: #3a071b;
}

#login {
  height: 60vh;
```
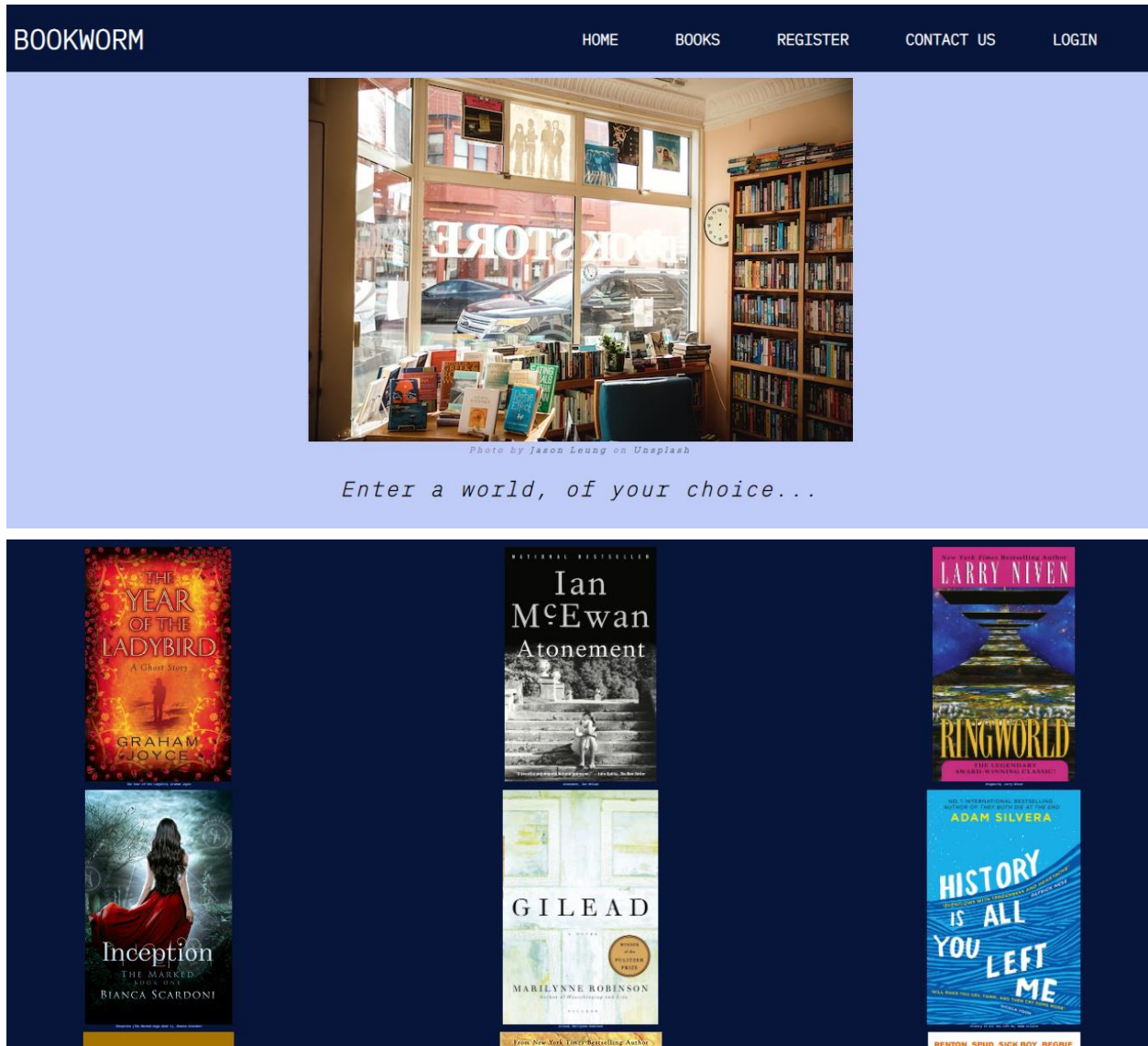
```
    width: 100vw;
    background-color: #d1bcd6;
}
```
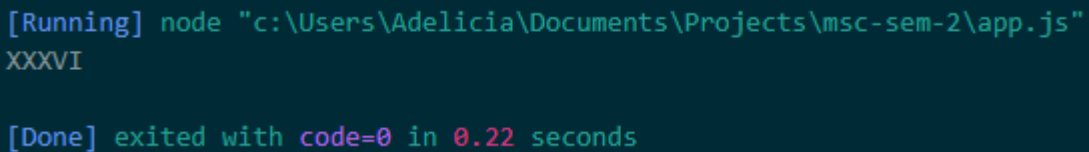
Output

Photo by Jason Leung on Unsplash

Enter a world, of your choice...

4. Write a Javascript program to convert numbers to Roman numerals.

convert.js

```javascript
function convertToRoman(num) {
    var l = [1000,900,500,400,100,90,50,40,10,9,5,4,1];
    var sym = ['M','CM','D','CD','C','XC','L','XL','X','IX','V','IV','I']
    var str = "";
    let i = 0;
    while(num>0){
      if(l[i]<=num){
        str+=sym[i];
        num-=l[i];
      }
      else{
        i++;
      }
    }
    return str;
    }

console.log(convertToRoman(36));
```

Output

```
[Running] node "c:\Users\Adelicia\Documents\Projects\msc-sem-2\app.js"
XXXVI

[Done] exited with code=0 in 0.22 seconds
```

5. Write a Javascript program to validate a form, which satisfies the conditions:
- (a) Name should only contain alphabets.
- (b) Password should not be less than 6 characters length.
- (c) E-mail id must follow the pattern name@domain.com.
- (d) Phone number should contain 10 digits only.
- (e) Last Name and Address should not be empty.

index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="stylesheet" href="styles.css" />
    <link rel="preconnect" href="https://fonts.googleapis.com" />
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
    <link
      href="https://fonts.googleapis.com/css2?family=Nunito&display=swap"
      rel="stylesheet"
    />
    <link
      rel="shortcut icon"
      href="https://cdn-icons-png.flaticon.com/512/9318/9318633.png"
      type="image/x-icon"
    />
    <title>Webvy</title>
    <script>
        const validate = () =>{
            const phVal = document.getElementById('number').value;
            const pwdVal = document.getElementById('pwd').value;
            const fnameVal = document.getElementById('name').value;
            if (String(phVal).length != 10){
                alert("Phone no. should have 10 digits");
                return false;
            }

            if (fnameVal.length < 7){
                alert("First name has to be 6 charaters long!");
```

```
                    return false;
                }

                if (!/^[a-zA-z]*$/g.test(fnameVal)){
                    alert("First name has to be characters only!");
                    return false;
                }

                if(pwdVal.length < 7){
                     alert("Password should be greater than 6 characters!");
                    return false;
                }
                return true;
            }
    </script>
</head>
<body>
  <main>
    <div id="form-heading">
      <h1 id="title">Webvy Registration</h1>
      <p id="description">For Students</p>
    </div>

    <form action="#index.html" id="survey-form" method="post" onsubmit="return
     validate()">
      <div id="form-body">
        <fieldset id="personal-details">
          <h2>Personal Details</h2>
          <hr>
           <label id="name-label" for="name"
            >First Name
            <input
              id="name"
              type="text"
              placeholder="Enter your first name"
              required
            />
           </label>
           <label id="lname-label" for="lname"
            >Last Name
            <input
```

```
              id="lname"
              type="text"
              placeholder="Enter your last name"
              required
          />
        </label>
        <label id="email-label" for="email"
          >Email
          <input
              id="email"
              type="email"
              placeholder="Enter your email"
              required
          />
        </label>
        <label id="number-label" for="number"
          >Phone No.
          <input
              id="phone"
              type="phone"
              placeholder="Enter your number"
              required
          />
        </label>
        <label id="pwd-label" for="pwd"
          >Password
          <input
              id="pwd"
              type="password"
              placeholder="Enter your password"
              required
          />
        </label>
      </fieldset>

      <fieldset id="learning-details">
        <h2>Learning Progress</h2>
        <hr>
        <label id="radio-buttons" class="learning-q">
          Are you currently learning web development?
          <label for="yes-web">
```

```
      <input type="radio" name="recs" id="yes-adopt" value="yes" />
      Yes
    </label>
    <label for="no-web">
      <input type="radio" name="recs" id="no-adopt" value="no" />
      No
    </label>
  </label>

  <label id="checkbox-options" class="learning-q">
    What have you learnt so far?
    <label for="html-skill">
      <input
        type="checkbox"
        name="skill-set"
        id="html-skill"
        value="html-skill"
      />
      HTML
    </label>
    <label for="css-skill">
      <input
        type="checkbox"
        name="skill-set"
        id="css-skill"
        value="css-skill"
      />
      CSS
    </label>
    <label for="js-skill">
      <input
        type="checkbox"
        name="skill-set"
        id="js-skill"
        value="js-skill"
      />
      Javascript
    </label>
    <label for="frameworks">
      <input
        type="checkbox"
```

```html
                name="skill-set"
                id="frameworks"
                value="frameworks"
              />
              Frameworks(Bootstrap, React, etc..)
            </label>
          </label>
          <label for="dropdown" class="learning-q">
            What do you find most difficult to learn?
            <select id="dropdown" name="dropdown" >
              <option value="" name="options">(select one)</option>
              <option value="1" name="options">The Box Model</option>
              <option value="3" name="options">Grid and Flexbox</option>
              <option value="2" name="options">Javascript programming</option>
              <option value="2" name="options">None of the above</option>
            </select>
          </label>
        </fieldset>
        <fieldset id="student-feedback">
          <h2>About Me</h2>
          <hr>
          <label for="feedback">
            Please tell us about yourself and how got into web development
            <textarea
              name="feedback"
              id="feedback"
              cols="45"
              rows="10"
              placeholder="Enter your feedback here..."
              required
            ></textarea>
          </label>
        </fieldset>
        <fieldset id="submit-button"><button id="submit" type="submit">
         Submit</button>
        </fieldset>
      </div>
    </form>
  </main>
</body>
</html>
```

styles.css

```css
html {
  box-sizing: border-box;
}

*,
::before,
::after {
  box-sizing: inherit;
}

body {
  background-image: linear-gradient(
    90deg,
    #1c3c6b 0%,
    #7ebffc 35%,
    #7ebffc 50%,
    #7ebffc 70%,
    #1c3c6b 100%
  );
  background-color: white;
  background-size: cover;
  margin: 0;
  font-family: "Nunito", sans-serif;
  color: white;
}

#form-heading {
  text-align: center;
  margin: 0 auto;
}

#form-heading h1 {
  margin-top: -0.1rem;
  font-size: 2.3rem;
  color: white;
  text-shadow: 1px 0.1px 20px #ffffffe1;
}
```

```css
#form-heading p {
  margin-top: -1.7rem;
  font-size: 1.3rem;
  font-weight: 600;
  color: #ffffffe1;
}

#form-body {
  margin-top: -1.5rem;
  background: #1c3c6b70;
  border-radius: 5px;
}

form {
  width: 50vw;
  max-width: 500px;
  min-width: 350px;
  margin: 0 auto;
  padding: 1% 0;
}

form h2 {
  margin-top: 1px;
  margin-bottom: 0;
}

form hr {
  width: 45%;
  margin: 0 0 5px 0;
  opacity: 45%;
}

fieldset {
  border: none;
  padding: 0.7rem 0.5rem;
  border-bottom: 1px solid rgba(226, 215, 175, 0.5);
}

label {
  display: block;
  margin: 0.5rem 0;
```

```css
}

input,
select,
textarea {
  font-size: small;
  font-style: italic;
  margin: 10px 0 0 0;
  font-family: "Nunito", sans-serif;
  border-radius: 5px;
  border: 1px solid transparent;
}

#name,
#lname,
#email,
#phone,
#pwd {
  display: block;
  width: 55%;
  padding-bottom: 1%;
}

#learning-details .learning-q {
  padding-top: 15px;
}

select#dropdown {
  display: block;
  background: #1c3c6b70;
  color: white;
  width: 57%;
  border: none;
  font-family: "Nunito", sans-serif;
}

#submit-button {
  border-bottom: none;
}

#submit {
```

```css
    border: none;
    display: block;
    height: 20%;
    width: 85px;
    text-align: center;
    margin: 0 auto;
    font-family: "Nunito", sans-serif;
    background: #1c3c6b70;
    color: white;
    font-size: 17px;
    border-radius: 10px;
}

button#submit:hover {
    background: #7ebffc;
}
```

Output

127.0.0.1:5500 says

First name has to be characters only!

OK

Email

no

⚠ Please include an '@' in the email address. 'no' is missing an '@'.

127.0.0.1:5500 says

Phone no. should have 10 digits

OK

6. Write a Javascript program to demonstrate pop-up boxes, for the following:

(a) Display date

(b) Factorial of a number

(c) A multiplication table of numbers from 1 to 10

(d) Sum of n numbers

popupboxes.html

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Pop up box demo</title>
</head>

<body>
    <h1 style="text-align: center;">This webpage demonstrates the use of the
     following</h1>
    <ul style="text-align: center; font-weight: 200;">
        <div style="width: 50%; display: flex; justify-content: center; flex-
         direction: column;">
            <li style="text-align: left;">Prompts</li>
            <li style="text-align: left;">Alert</li>
            <li style="text-align: left;">Confirm box</li>
        </div>
    </ul>
    <div style="display: flex; justify-content: center;">
        <button style="padding: 6px; margin: 16px;" onclick="displayDate()">Click
         here to see today's date</button>
        <button style="padding: 6px; margin: 16px;" onclick="promtDemo()">Click this
         find factorial of a number</button>
        <button style="padding: 6px; margin: 16px;" onclick="alertDemo()"
         onmouseout="mouseOut()">Click this to see
            multiplication table</button>
        <button style="padding: 6px; margin: 16px;" onclick="confirmDemo()"
         onmouseout="mouseOut()">Click this to find
            sum of 2 numbers</button>


    </div>
    <div style="display: flex; justify-content:center;  align-items: center;">
        <div style="text-align: center; width: 50%; text-align: right;">
            Outputbox =>  
        </div>
        <div id="outputBox" style="margin-right: auto; border: 1px visible; border-
         style: solid; text-align: center; vertical-align: middle; width:
            150px; height: 25px; ">
        </div>
    </div>
```

```html
    <script>
        const promtDemo = () => {
            let n = window.prompt(" Enter the number for which factorial is to be
            calculated");
            console.log("your number is " + n);
            let fact = 1;
            for (let i = n; i > 1; i--) {
                fact *= i;
            }
            window.alert(n + " factorial is " + fact);

        }
        const alertDemo = () => {
            let n = window.prompt("Enter the number for which multiplication table is
            to be calculated");
            str = "";
            for (let i = 1; i <= 10; i++) {
                str += `${n} x ${i} = ${n * i} \n`;
            }
            window.alert(str);
        }

        const confirmDemo = () => {
            let num1 = window.prompt("Enter number 1");
            if (window.confirm("Press ok if num2 = 10\n press cancel if num2 = 20"))
            {
                num2 = 10;
            }
            else {
                num2 = 20;
            };
            num1 = parseInt(num1);
            num2 = parseInt(num2);
            window.alert(num1 + " + " + num2 + " = " + (num1 + num2));
        }
        const displayDate = () => {
            date = new Date();
            day = date.getDate();
            month = date.getMonth() + 1;
            year = date.getFullYear();
            document.getElementById('outputBox').innerHTML = `${day} : ${month} :
            ${year}`;
        }

    </script>

</body>

</html>
```

7. Create a simple calculator.

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Calculator</title>
    <style>
      .container {
        display: flex;
        justify-content: center;
        align-items: center;
        height: 100vh; /* Hack to vertically centre [center] */
      }

      #calculator {
        justify-self: center;
        width: fit-content;
        height: fit-content;
        background-color: black;
        border-radius: 8px;
        padding: 8px;
        font-family: "Courier New", Courier, monospace;
        box-shadow: 2px 4px 8px black; /* offset-x offset-y shadow-radius
color*/
      }

      button {
        background: darkmagenta;
        color: white;
        border: none;
        border-radius: 2px;
        padding: 8px;
        width: calc(4em + 8px);
        justify-content: center;
        margin: 4px 2px;
      }

      .last {
        width: calc(2em + 8px);
      }

      #clear,
      #equals {
        background-color: deeppink;
      }

      #display {
        display: inline-block;
        background-color: white;
```

```
          padding: 8px;
          text-align: end;
          margin: 4px 2px;
          border-radius: 2px;
          color: black;
          width: calc(12em + 4px);
        }
    </style>
  </head>

  <body>
    <div class="container">
      <div id="calculator">
        <div>
          <div id="display">1234567890</div>
          <button class="last" id="clear">C</button>
        </div>
        <div>
          <button type="button">1</button>
          <button type="button">2</button>
          <button type="button">3</button>
          <button type="button" class="last">/</button>
        </div>
        <div>
          <button type="button">4</button>
          <button type="button">5</button>
          <button type="button">6</button>
          <button type="button" class="last">-</button>
        </div>
        <div>
          <button type="button">7</button>
          <button type="button">8</button>
          <button type="button">9</button>
          <button type="button" class="last">+</button>
        </div>
        <div>
          <button type="button">.</button>
          <button type="button">0</button>
          <button type="button" id="equals">=</button>
          <button type="button" class="last">*</button>
        </div>
      </div>
    </div>
  </body>
</html>
```

Output

8. Create a portfolio website. Demonstrate use of inline, internal and external CSS stylesheets.

index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="stylesheet" href="styles.css" />
    <link rel="preconnect" href="https://fonts.googleapis.com" />
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
    <link
      href="https://fonts.googleapis.com/css2?family=Montserrat&display=swap"
      rel="stylesheet"
    />
    <link
      href="https://fonts.googleapis.com/css2?family=Unbounded&display=swap"
      rel="stylesheet"
    />
    <title>Portfolio</title>
  </head>
  <body>
    <!-- HEADER -->
    <header>
      <nav id="navbar">
        <ul id="nav-list">
          <li><a href="#welcome-section" class="nav-link">About</a></li>
          <li><a href="#projects-section" class="nav-link">Projects</a></li>
          <li><a href="#contact-section" class="nav-link">Contact</a></li>
        </ul>
      </nav>
    </header>

    <!-- MAIN -->
    <main>
      <!-- ABOUT ME -->
      <section id="welcome-section">
        <h1>Hi! I'm Ady.</h1>
        <h2>An aspiring <span class="special-text">web developer</span>.</h2>
      </section>
      <!-- PROJECTS -->
      <section id="projects-section">
        <h2>These are some of my projects.</h2>
        <div id="project-grid">
          <a
            href="https://codepen.io/codeyady/full/YzjYXwm"
            target="_blank"
            class="project-tile"
          >
            <img src="https://shots.codepen.io/codeyady/pen/YzjYXwm-
            1280.webp?version=1674412125" alt="Project-1" />
```

```html
          <p>FCC Documentation Page</p>
        </a>
        <a
          href="https://codepen.io/codeyady/full/ZEjvwqj"
          target="_blank"
          class="project-tile"
          ><img src="https://shots.codepen.io/codeyady/pen/ZEjvwqj-
            512.webp?version=1675013670" alt="Project-2" />
          <p>FCC Survey Form</p>
        </a>
        <a
          href="https://codepen.io/codeyady/full/VwBzmqM"
          target="_blank"
          class="project-tile"
          ><img src="  https://shots.codepen.io/codeyady/pen/VwBzmqM-
            512.webp?version=1674315629" alt="Project-3" />
          <p>Silly Cat Page</p>
        </a>
      </div>

      <div id="codepen-box">
        <a href="https://codepen.io/codeyady" id="codepen-link">Show all</a>
      </div>
    </section>
    <!-- CONTACT ME -->

    <section id="contact-section">
      <h2>Find me on...</h2>
      <div id="profile-list">
          <a
          href="https://github.com/adelicia-js"
          class="profile-link"
          target="_blank"
          ><img src="https://cdn-icons-png.flaticon.com/512/2111/2111432.png"
            alt=""> </a
        >
        <a
          href="https://codepen.io/codeyady"
          class="profile-link"
          target="_blank"
          ><img src="https://cdn-icons-png.flaticon.com/512/2111/2111501.png"
            alt=""> </a
        >
      </div>
    </section>
  </main>
</body>
</html>
```

styles.css

```css
html {
    box-sizing: border-box;
}

*, ::before, ::after {
    box-sizing: inherit;
}

body {
    margin: 0;
    padding: 0;
    font-family: 'Montserrat',sans-serif;
    background: rgba(9, 183, 252, 0.1);
    width: 100%;
    height: auto;
    background-size: cover;
}

/* NAV BAR */
#navbar {
    display: flex;
    justify-content: center;
    position: fixed;
    top: 0;
    left: 0;
    width: 100%;
    background-color: #201136;
    z-index: 10;
    overflow: hidden;
}

#nav-list {
    display: flex;
    gap: 25rem;
}

#nav-list li {
    list-style-type: none;
    margin-right: 1rem;
    font-weight: 600;
    padding-left: 0;
}

.nav-link {
    font-size: 1.2rem;
    color: rgb(255, 255, 255);
    text-decoration: none;
    text-transform: uppercase;
    letter-spacing: 0.3rem;
}

.nav-link:hover {
```

```css
        color: #9f80cf;
        text-shadow: 1px 0.1px 5px #201136,0 0 2px #201136, 0 0 2px #ffffff;
}

/* MAIN */

/* WELCOME */
#welcome-section {
        display: flex;
        width: 100%;
        height: 100vh;
        flex-direction: column;
        justify-content: center;
        align-items: center;
        background-color: black;
        /* background-image: #9f80cf; */
        background-image: linear-gradient(62deg, #9f80cf 0%, #9f80cf 50%, #9f80cf 100%);
        padding: 5rem;
        margin: 0;
}

#welcome-section h1, #welcome-section h2 {
        font-family: 'Unbounded',sans-serif;
        text-align: center;
}

#welcome-section h1{
        font-size: 3rem;
        color: white;
        margin-bottom: 0;
}

#welcome-section h2 {
        font-size: 2rem;
        font-style: oblique;
        color: #201136;
        margin-top: 0.1rem;
}

/* PROJECTS */
#projects-section {
        /* width: 100%; */
        /* height: 70vh; */
        text-align: center;
        padding: 2rem 1rem;
        background-color: rgb(0, 0, 0);
        background-image: linear-gradient(62deg, #c2a9e9 0%, #dad3e7 50%, #9c7ad4 100%);
}

#projects-section h2 {
        color: white;
        /* text-shadow: 1px 0.1px 10px #ffae00; */
        text-shadow: 1px 0.1px 10px #201136;
        font-family: 'Unbounded',sans-serif;
        padding-bottom: 0.5rem;
```

```
    }

    #project-grid {
        display: grid;
        width: 100%;
        max-width: 1500px;
        margin: 0;
        margin-bottom: 1rem;
        grid-template-columns: repeat(auto-fit, minmax(350px, 1fr));
        gap: 2rem;
        padding-bottom: 0.5rem;
    }

    .project-tile {
        background-color: #201136;
        border-radius: 5px;
        text-decoration: none;
    }

    .project-tile img {
        width: 100%;
        height: 87%;
        object-fit: cover;
        border-radius: 5px 5px 0 0;
        color: rgba(255, 255, 255, 0.801);
    }

    .project-tile p {
        color: white;
        text-decoration: none;
        margin: 0;
        font-weight: 600;
        font-family: 'Unbounded',sans-serif;
        /* font-style: ; */
        font-weight: normal;
    }

    .project-tile:hover {
        box-shadow: 1px 0.1px 40px #4d3177;
    }

    #codepen-box {
        padding-top: 1rem;
        padding-bottom: 2rem;
    }
    #codepen-link {
        background: #ffffff;
        padding: 0.5rem 1rem;
        border-radius: 5px;
        color: #201136;
        text-decoration: none;
    }

    #codepen-link:hover {
        background: #201136;
```
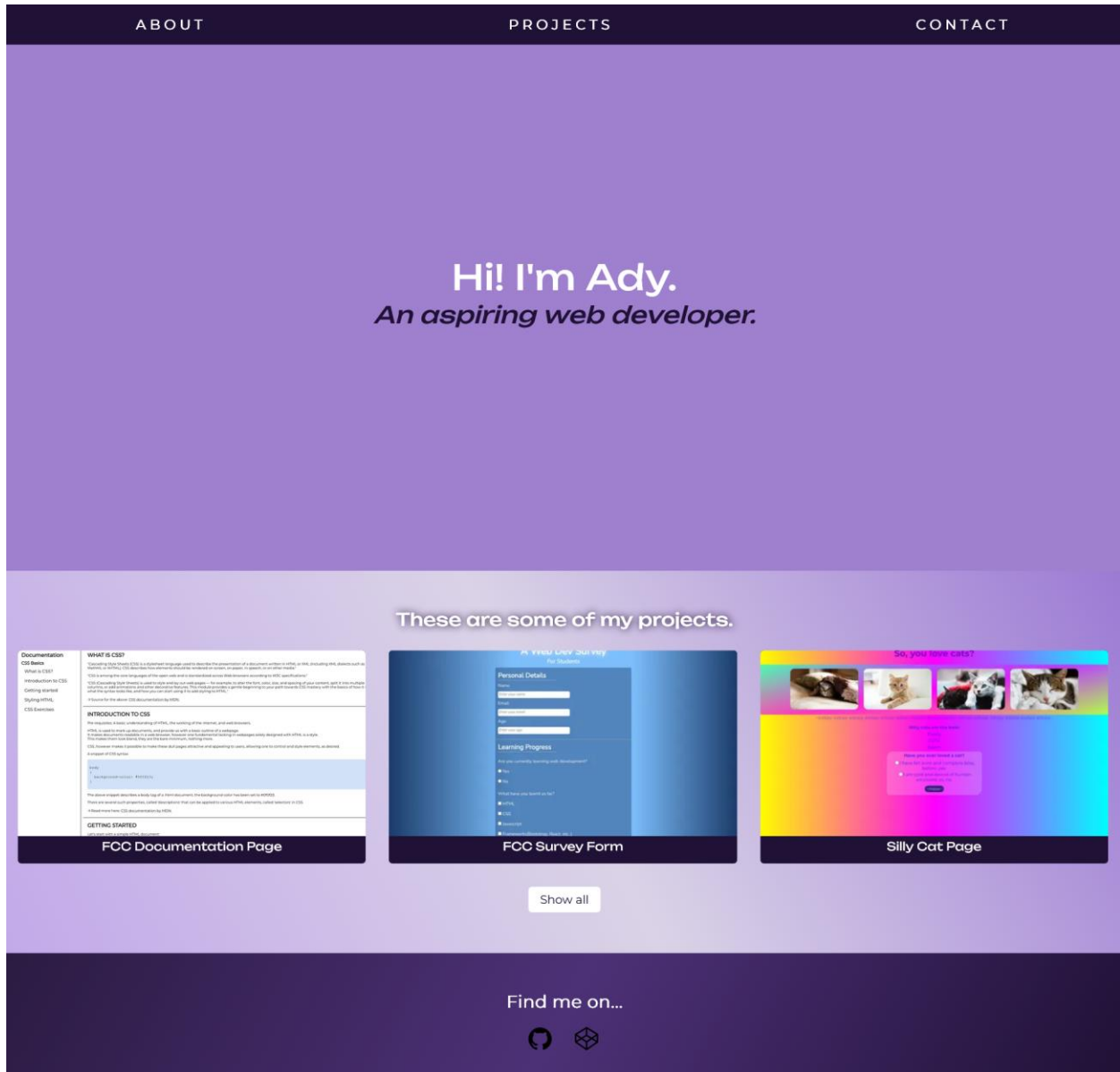
```css
    color: #ffffff;
    box-shadow: 1px 0.1px 10px #4d3177;
}

/* CONTACT */
#contact-section {
    width: 100%;
    text-align: center;
    padding: 2rem 1rem;
    background-color: rgb(0, 0, 0);
    background-image: linear-gradient(118deg, #2b1b42 0%, #4d3177 50%, #201136 100%);
    color: white;
}

#profile-list {
    display: flex;
    flex-direction: row;
    flex-wrap: wrap;
    justify-content: center;
    align-items: center;
    gap: 2rem;
    width: 100%;
    max-width: 1500px;
}

.profile-link img {
    width: 2rem;
    height: auto;
    max-width: 20vw;
    object-fit: cover;
}
```

Output

9. Write a Javascript program which takes an input of a number from a text box and converts it to words.

10. Write a program to implement Typescript classes with inheritance.