BCSE203E- Web Programming

Assignment

Topics –, HTML Block and Inline Elements <div> and <span> and Semantic HTML.

Activity 1:

- A description of yourself in minimum 3 paragraphs and justify the text content
- Highlight the most important word(s) and infer the differences of bold, strong, emphasize.
- Use background colours and text colours appropriately for a good design.
- Add your image in left corner of the first paragraph

Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

   <meta charset="UTF-8">

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

   <title>About Me</title>

</head>

<body>

   <div style="font-family: Arial, sans-serif; line-height: 1.6; max-width: 600px; margin:
20px auto; background-color: #f9f9f9; padding: 15px; border: 1px solid #ddd; border-radius:
8px;">

     <div style="overflow: hidden; margin-bottom: 20px;">

       <img src="profile.jpg" alt="My Photo" style="float: left; margin-right: 15px; width:
100px; height: 100px; border-radius: 50%; border: 2px solid #ccc;">

       <p style="text-align: justify;">Hello! My name is <strong>Midhul kiruthik</strong>,
and I am a passionate web developer with a love for creating clean and user-friendly designs.
Over the years, I have honed my skills in front-end development, making websites that not
only look great but also function seamlessly.</p>

     </div>
```

```html
<p style="text-align: justify;">In my free time, I enjoy exploring new technologies and keeping up with the latest trends in web development. I believe in the power of <strong>strong</strong> collaboration and teamwork, which have always helped me grow professionally and personally. When I'm not coding, I indulge in reading books and hiking in nature.</p>

<p style="text-align: justify;">My ultimate goal is to create meaningful projects that make a difference. I am always looking for ways to <em>improve</em> and contribute to the tech community. If you're interested in working with me or just want to connect, feel free to reach out!</p>

<p>

<strong style="color: blue;">Note:</strong>

The <strong>strong</strong> tag visually bolds text and adds semantic importance, while <b>bold</b> only affects styling. Similarly, the <em>emphasize</em> tag italicizes text and implies emphasis, while <i>italic</i> is purely stylistic.

</p>

</div>

</body>

</html>
```

Output:

Hello! My name is **Midhul kiruthik**, and I am a passionate web developer with a love for creating clean and user-friendly designs. Over the years, I have honed my skills in front-end development, making websites that not only look great but also function seamlessly.

In my free time, I enjoy exploring new technologies and keeping up with the latest trends in web development. I believe in the power of **strong** collaboration and teamwork, which have always helped me grow professionally and personally. When I'm not coding, I indulge in reading books and hiking in nature.

My ultimate goal is to create meaningful projects that make a difference. I am always looking for ways to *improve* and contribute to the tech community. If you're interested in working with me or just want to connect, feel free to reach out!

Note: The **strong** tag visually bolds text and adds semantic importance, while **bold** only affects styling. Similarly, the *emphasize* tag italicizes text and implies emphasis, while *italic* is purely stylistic.

Note: Incorporate HTML Block *<div>* and Inline Elements *<span>*

<u>Activity 2: Semantic html</u>

Design a web page of your choice "*myindex.html*" and include the following information as follows.

- Home Page - Short Descriptions about your theme.
- Navigation page- include all the activity listed as per module 2 (all html documents)
- Blog Page – Photos/ videos/ hyperlinks
- Contact us – Use your intuitive approach and add the form fields for a contact us page in the footer.

Code;

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>My Index Page</title>

</head>

<body style="font-family: Arial, sans-serif; line-height: 1.6; margin: 0; padding: 0;">

    <header style="background: #333; color: #fff; text-align: center; padding: 10px 0;">

        <h1>Welcome to My Website</h1>

        <p>A simple semantic HTML design</p>

    </header>


    <nav style="background: #555; color: #fff; text-align: center; padding: 10px;">

        <a href="myindex.html" style="color: #fff; margin: 0 15px; text-decoration: none;">Home</a>

        <a href="navigation.html" style="color: #fff; margin: 0 15px; text-decoration: none;">Navigation</a>

        <a href="blog.html" style="color: #fff; margin: 0 15px; text-decoration: none;">Blog</a>

        <a href="#contact-us" style="color: #fff; margin: 0 15px; text-decoration: none;">Contact Us</a>

    </nav>
```

```html
    <main style="padding: 20px; background: #f9f9f9;">

        <section>

            <h2 style="color: #333;">About the Website</h2>

            <p>This website is designed to demonstrate the use of semantic HTML and includes a home page, navigation, blog, and contact us page. Explore and enjoy!</p>

        </section>

    </main>


    <footer id="contact-us" style="background: #333; color: #fff; text-align: center; padding: 20px;">

        <h3>Contact Us</h3>

        <form style="display: flex; flex-direction: column; align-items: center;">

            <input type="text" placeholder="Your Name" style="margin: 5px; padding: 10px; width: 80%; max-width: 400px;">

            <input type="email" placeholder="Your Email" style="margin: 5px; padding: 10px; width: 80%; max-width: 400px;">

            <textarea placeholder="Your Message" style="margin: 5px; padding: 10px; width: 80%; max-width: 400px; height: 100px;"></textarea>

            <button type="submit" style="margin: 5px; padding: 10px; width: 80%; max-width: 400px; background: #555; color: #fff; border: none; cursor: pointer;">Send</button>

        </form>

    </footer>

</body>

</html>
```
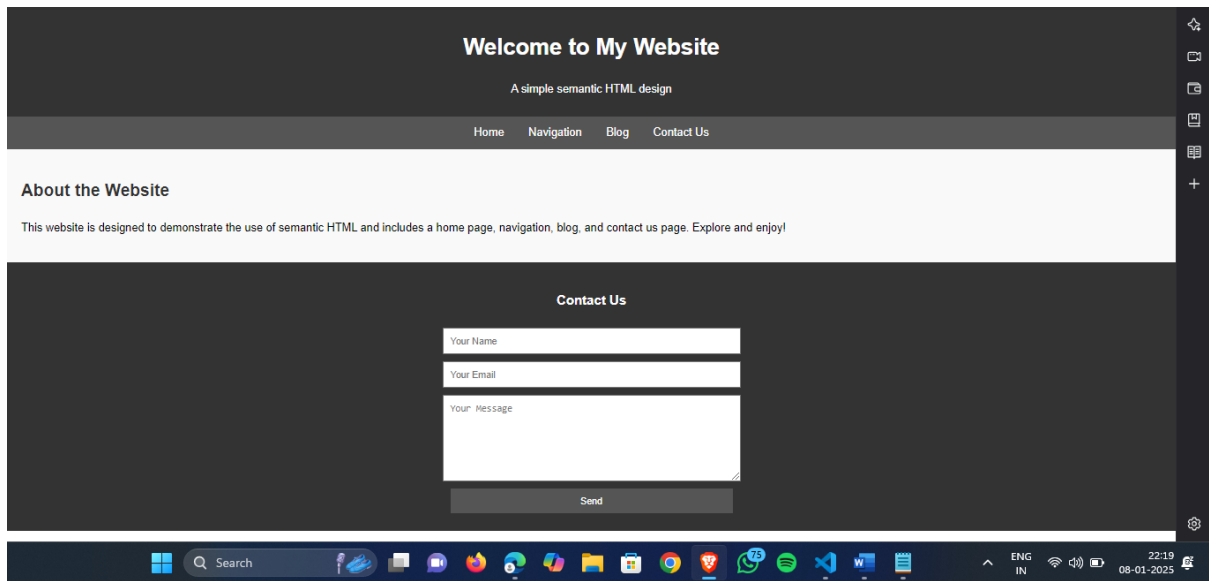
Output:

Activity 3: Create the following layout pages using CSS and div

Code:
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Division Layout</title>
</head>
<body>
    <!-- Parent Division -->
    <div style="background-color: cyan; height: 400px;">
```

```html
        <b>This is the parent division!</b>

        <!-- Child Division 1 -->
        <div style="background-color: maroon; color: white; height: 300px;">
            This is child 1!        </div>

        <!-- Child Division 2 -->
        <div style="background-color: purple; color: white; height: 100px;">
            This is child 2!
        </div>
    </div>
  </body>
</html>
```
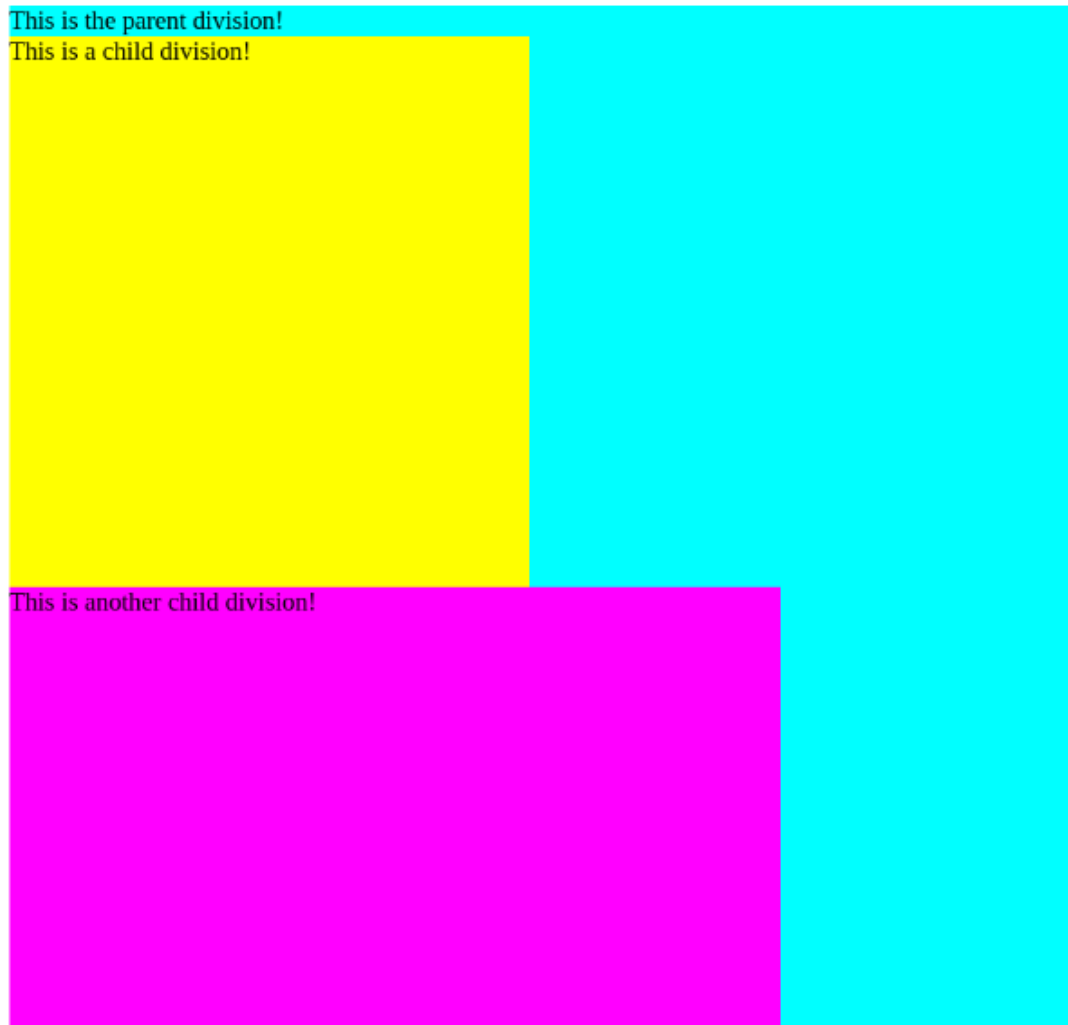Output:

This is the parent division!
This is a child division!

This is another child division!

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Division Layout</title>
</head>
<body>
  <!-- Parent Division -->
  <div style="background-color: cyan; height: 418px; width: 500px;">
    This is the parent division!

    <!-- First Child Division -->
    <div style="background-color: yellow; width: 250px; height:250px; ">
      <p style="margin: 0;">This is a child division!</p>
    </div>

    <!-- Second Child Division -->
    <div style="background-color: magenta; width: 330px; height: 150px;">
```
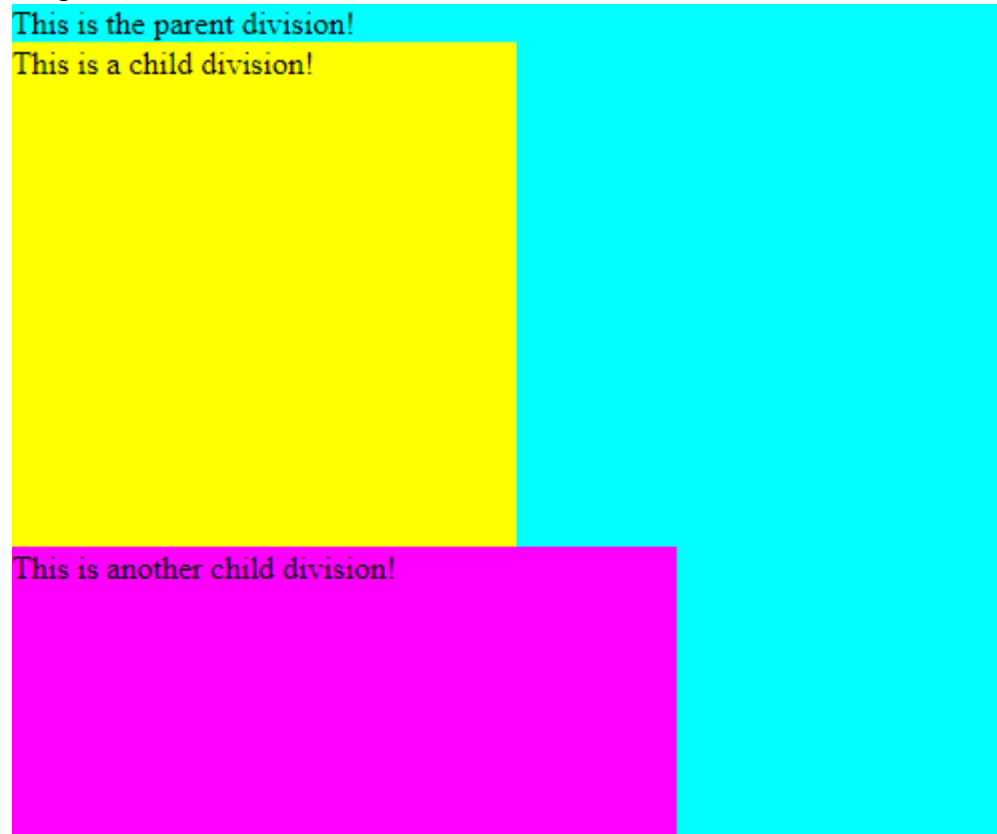
```
                <p style="margin: 0;">This is another child division!</p>
            </div>
        </div>
    </body>
</html>
```

Output:

BCSE203E - Web Programming

Exno:1) Develop the following webpages as per the given templates using CSS and html.

Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Amazon Bestsellers</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

background-color: #f7f7f7;

}

header {

background-color: #232f3e;

padding: 10px 20px;

display: flex;

align-items: center;

justify-content: space-between;

color: white;

}

header img {

height: 30px;

}

header .search-bar {

display: flex;

align-items: center;

width: 50%;
```

```css
}
header .search-bar select {
padding: 5px;
margin-right: 5px;
border: none;
border-radius: 4px;
}
header .search-bar input {
flex-grow: 1;
padding: 5px;
border-radius: 4px;
border: none;
}
header .search-bar select, header .search-bar input {
background-color: #f3f3f3;
color: #333;
}
header .language-dropdown {
margin-left: 10px;
padding: 5px;
border: none;
border-radius: 4px;
background-color: #f3f3f3;
color: #333;
}
header .account {
display: flex;
align-items: center;
}
nav {
background-color: #232f3e;
```

```css
padding: 10px 20px;

display: flex;

color: white;

font-size: 0.9em;

}

nav a {

color: white;

text-decoration: none;

margin-right: 20px;

}

.content {

display: flex;

}

.sidebar {

width: 20%;

background-color: white;

padding: 20px;

box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);

}

.sidebar h3 {

font-size: 1.2em;

margin-bottom: 10px;

}

.sidebar ul {

list-style: none;

padding: 0;

}

.sidebar ul li {

margin-bottom: 10px;

}

.main-content {
```

```css
width: 80%;

padding: 20px;

}

.title {

display: flex;

justify-content: space-between;

align-items: center;

margin-bottom: 20px;

}

.title h2 {

font-size: 1.5em;

}

.title a {

color: #0073e6;

text-decoration: none;

font-size: 0.9em;

}

.bestsellers {

display: grid;

grid-template-columns: repeat(3, 1fr);

gap: 20px;

}

.product {

background-color: white;

padding: 15px;

border-radius: 8px;

box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);

text-align: center;

}

.product img {

width: 100%;
```

```
max-height: 150px;

object-fit: contain;

margin-bottom: 10px;

}

.product h3 {

font-size: 1em;

margin: 10px 0;

}

.product h3 a {

text-decoration: none;

color: #0073e6;

}

.product h3 a:hover {

text-decoration: underline;

}

.product .rating {

color: #ff9900;

}

.product .price {

color: #b12704;

font-size: 1.1em;

margin: 10px 0;

}

</style>

</head>

<body>

<header>

<img src="https://www.hatchwise.com/wp-content/uploads/2022/08/Amazon-Logo-2000-present-1024x576.jpeg" alt="Amazon Logo">

<div class="search-bar">

<select>
```

```html
<option>All</option>

</select>

<input type="text" placeholder="Search Amazon.in">

<select class="language-dropdown">

<option>EN</option>

<option>HI</option>

<option>ES</option>

</select>

</div>

<div class="account">

<span>Hello, sign in</span>

</div>

</header>

<nav>

<a href="#">All</a>

<a href="#">Electronics</a>

<a href="#">Best Sellers</a>

<a href="#">Mobiles</a>

<a href="#">Today's Deals</a>

</nav>

<div class="content">

<div class="sidebar">

<h3>Any Department</h3>

<ul>

<li>Books</li>

<li>Computers & Accessories</li>

<li>Electronics</li>

<li>Mobiles</li>

<li>Laptops</li>

<li>Accessories</li>

</ul>
```

```html
</div>

<div class="main-content">

<div class="title">

<h2>Amazon Bestsellers</h2>

<a href="#">See more</a>

</div>

<div class="bestsellers">

<div class="product">

<img

src="https://rukminim2.flixcart.com/image/850/1000/xif0q/mobile/m/x/d/narzo-70x-5g-rmx3998-
realme-original-imahyfd6gkbabuuh.jpeg?q=90&crop=false"

alt="Realme Narzo 70x">

<h3><a href="https://www.amazon.in/realme-Storage-Display-Dimensity-
Charger/dp/B0D3WXQN8N/ref=sr_1_3?crid=36F6ORBC0MCJL&dib=eyJ2IjoiMSJ9.CfYHDnHm_

LIhxov6FP7f-kivda2BfY-zOcLSzY_P0BXXy1ztgOqWv8jG1oQB-
2hj7guJQ_MX0Cs9WvxYOtiLsqlkOSxEd00eLt-gSbddyNuwkgJhO5gD-
dzxarLuZkJGgs7eOquuIM13U5aWmCI_eWBc22Ue6tcwojG1Xfvx2upWFbzv_84bWcBYS2rmS79ngv8

hEU71CGtbyVBflCu58FPPzeRHtGdFOU-0SRoyeCs.MqUNZZR9aVH6RvKW_mtsK-

oUkSaRLo3ko4DnkWTOC3U&dib_tag=se&keywords=realme+NARZO+70x+5G&nsdOptOutParam=t

rue&qid=1737295205&sprefix=%2Caps%2C234&sr=8-3"

target="_blank">realme NARZO 70x 5G</a></h3>

<div class="rating">★★★★☆</div>

<div class="price">₹10,749.00</div>

</div>

<div class="product">

<img src="https://m.media-amazon.com/images/I/61+SW9nDTEL.jpg" alt="Boat Rockerz">

<h3><a href="https://www.amazon.in/boAt-Rockerz-255-Pro-
Earphones/dp/B08TV2P1N8/ref=sr_1_1_sspa?crid=3B9SFTCT7B5IU&dib=eyJ2IjoiMSJ9.1I

Bq_3Gr6qEvuB9TkpEkcv5l--9cS3zeMhV-
FVm8hZtVQ2UFXGxd4kq_LhLtXSfhfFLwa4Ipr4kDcg5UxPOzgPgAktjpPTB0Xsw_Eg7mEbIZtt_MyM

R0fjvZS-zzILa5OuchrTl4s1BoN-
4ZeyT42PkV4XBkIHmqpcRW0YGoUBFAapTacnWDSNOVyeKhbYssK4R2ERr2J7tH6phSsQqsRZdgrl-
XEVkB9DjXqJcwicQ.bAt4abJchiFqDB4tmMiALVmC1fHZu7Pe112WqR00Los&dib_tag=se&keywor

ds=boat+rockerz+255+pro%2B&nsdOptOutParam=true&qid=1737295353&sprefix=boat+roc
```

```
kers+255+pro%2Caps%2C267&sr=8-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1"

target="_blank">boAt Rockerz 255 Pro+</a></h3>

<div class="rating">★★★★☆</div>

<div class="price">₹999.00</div>

</div>

<div class="product">

<img src="https://store.storeimages.cdn-apple.com/4668/as-
images.apple.com/is/MU862?wid=2000&hei=2000&fmt=jpeg&qlt=90&.v=1591824860000"

alt="Apple Adapter">

<h3><a href="https://www.amazon.in/Original-Charger-Cable-iPhone-
Promax/dp/B0CQK6JDK5/ref=sr_1_1_sspa?crid=2FVZSRVCVT19S&dib=eyJ2IjoiMSJ9.ZED2G

NXbdynxZEhbesBvG4itapYkFsgroLGbMZue2LOBr-
kHgIJiuJ_CvM76xiWSkJqjhPwu088FkP70kBgjYoO5Met3tBO1bYcfmoclwGZs1rjOaW3fQHYVxnhV

iM9PK4tInI1dQT2k3fDlMBLNX1X2_abPSEb2tmQ8hzKDHcN9brhFEPb4hwIDYwxwJQhGYzuK97w5Xp

Kw1AcHh0Lo7KjfQ7e_LONH0hxB-
AMxI68.9dPmis5tWbE_tzosOR7AEuNPT5ANqgLHxMFywqMLUYo&dib_tag=se&keywords=apple+2

0w+type+c+fast+charger&nsdOptOutParam=true&qid=1737295412&sprefix=apple+20W+ty

p%2Caps%2C271&sr=8-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1"

target="_blank">Apple 20W USB-C Power Adapter</a></h3>

<div class="rating">★★★☆☆</div>

<div class="price">₹1,549.00</div>

</div>

</div>

</div>

</div>

</body>

</html>
```

Output:

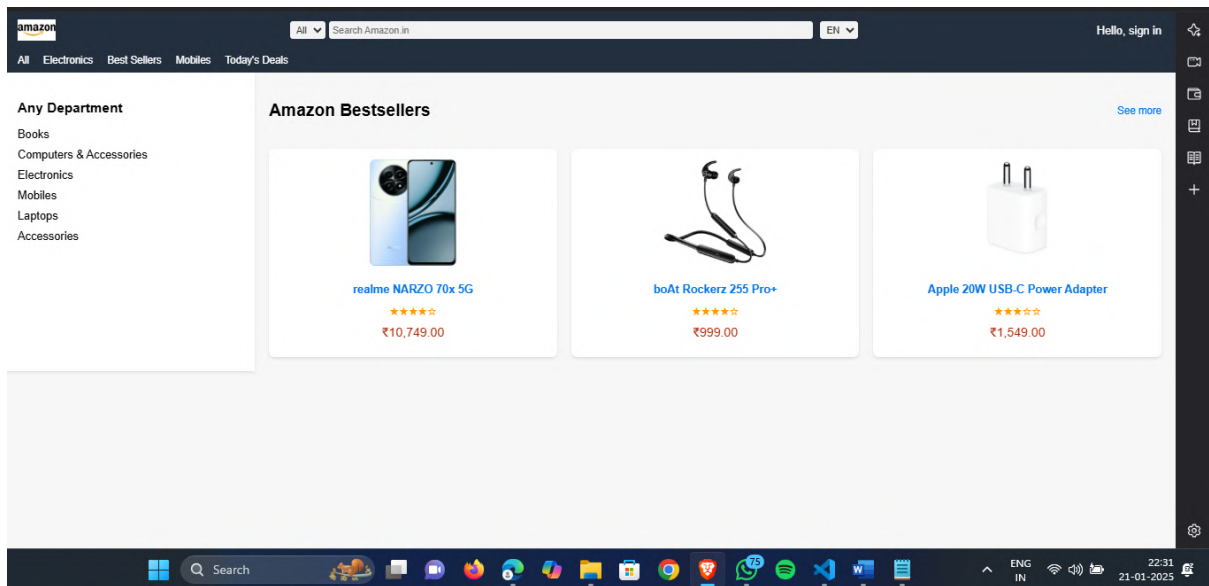Exno:2) Develop the following webpages as per the given templates using CSS and html.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>VIT Admission Enquiry</title>
    <style>
        /* General Styles */
        * { margin: 0; padding: 0; box-sizing: border-box; font-family: Arial, sans-serif; }
        body { line-height: 1.6; background: #f8f8f8; }

        /* Header & Navbar */
        .header {
            background: #001f3f;
            color: white;
            padding: 15px 20px;
            text-align: center;
```

```css
    font-size: 20px;

    font-weight: bold;

}

.navbar {

    display: flex;

    justify-content: center;

    background: #003366;

    padding: 10px;

}

.navbar a {

    color: white;

    text-decoration: none;

    margin: 0 15px;

    font-size: 16px;

}

.navbar a:hover {

    text-decoration: underline;

}


/* Section Header */

.section-title {

    text-align: center;

    margin: 20px 0;

    font-size: 22px;

    font-weight: bold;

    color: #001f3f;

}


/* Three-Box Layout */

.info-section {

    display: flex;
```

```css
    justify-content: center;

    gap: 20px;

    padding: 20px;

}

.info-box {

    background: white;

    padding: 20px;

    border-radius: 8px;

    width: 30%;

    text-align: center;

    box-shadow: 0 5px 10px rgba(0, 0, 0, 0.2);

}

.info-box h3 {

    margin-bottom: 10px;

    color: #003366;

}

.info-box ul {

    text-align: left;

    padding-left: 20px;

}


/* Floating Admission Enquiry Button */

.admission-enquiry {

    position: fixed;

    right: 0;

    top: 50%;

    transform: translateY(-50%);

    background: #ffbf00;

    color: #001f3f;

    padding: 15px 10px;

    writing-mode: vertical-rl;
```

```css
    text-align: center;

    font-weight: bold;

    border-radius: 10px 0 0 10px;

    cursor: pointer;

    box-shadow: -2px 2px 10px rgba(0, 0, 0, 0.2);

    text-decoration: none;

}


/* Pop-up Modal */

.popup {

    position: fixed;

    top: 0;

    left: 0;

    width: 100%;

    height: 100%;

    background: rgba(0, 0, 0, 0.7);

    display: none;

    align-items: center;

    justify-content: center;

}

#popup:target {

    display: flex;

}

.popup-content {

    background: #03396c;

    color: white;

    padding: 20px;

    border-radius: 8px;

    width: 40%;

    position: relative;

    box-shadow: 0 5px 15px rgba(0, 0, 0, 0.3);
```

```css
}
.popup-content h2 {
    margin-bottom: 15px;
    color: #ffbf00;
}
.popup-content input,
.popup-content select {
    width: 100%;
    padding: 10px;
    margin: 10px 0;
    border: none;
    border-radius: 5px;
}
.popup-content input:focus,
.popup-content select:focus {
    outline: 2px solid #ffbf00;
}
.popup-content .close-btn {
    position: absolute;
    top: 10px;
    right: 15px;
    font-size: 20px;
    font-weight: bold;
}
.popup-content button {
    width: 100%;
    background: #ffbf00;
    color: #001f3f;
    border: none;
    padding: 10px;
    font-size: 16px;
```

```
        font-weight: bold;

        border-radius: 5px;

        cursor: pointer;

      }

      .popup-content button:hover {

        background: #e6a700;

      }


      /* Responsive Design */

      @media (max-width: 768px) {

        .info-section {

          flex-direction: column;

          align-items: center;

        }

        .info-box {

          width: 80%;

        }

      }

    }

  </style>

</head>

<body>


  <!-- Header -->

  <div class="header">

    VIT - Vellore Institute of Technology

  </div>


  <!-- Navigation Bar -->

  <div class="navbar">

    <a href="#">Home</a>

    <a href="#">Academics</a>
```

```html
    <a href="#">Admissions</a>

    <a href="#">CDC</a>

    <a href="#">International</a>

    <a href="#">Research</a>

    <a href="#">Campus Life</a>

</div>


<!-- Section Title -->

<div class="section-title">A place to learn, A chance to grow</div>


<!-- Three Information Boxes -->

<div class="info-section">

  <div class="info-box">

    <h3>🏆 RANKING AND RECOGNITION</h3>

    <ul>

      <li>VIT National & Global Rankings</li>

      <li>ARIIA Ranking Govt. of India</li>

      <li>VIT: 221st Best Institution in the world in Engineering & Technology</li>

      <li>Ranked among the top 2 in India and 500 globally (Shanghai ARWU 2024)</li>

    </ul>

  </div>


  <div class="info-box">

    <h3>💼 PLACEMENTS</h3>

    <ul>

      <li>2409+ Dream Offers, 2027+ Super Dream Offers</li>

      <li>873+ Dream & Super Dream Internship offers</li>

      <li>1958+ Regular Offers</li>

      <li>12,000+ Overall Offers</li>

      <li>Highest CTC: ₹75.00 LPA</li>

      <li>771+ Companies Participating</li>
```

```html
      </ul>
   </div>


   <div class="info-box">
      <h3>🌍 INTERNATIONAL RELATIONS</h3>
      <ul>
         <li>Over 500 foreign university partnerships</li>
         <li>Global platform for students and faculty</li>
         <li>Opportunities in research and cutting-edge technologies</li>
         <li>Study part of academic program in VIT and the rest in a foreign university</li>
      </ul>
   </div>
</div>


<!-- Floating Admission Enquiry Button -->
<a href="#popup" class="admission-enquiry">Admission Enquiry</a>


<!-- Pop-up Modal -->
<div id="popup" class="popup">
   <div class="popup-content">
      <a href="#" class="close-btn">&times;</a>
      <h2>Admission Enquiry</h2>
      <input type="text" placeholder="Name" required>
      <input type="tel" placeholder="Mobile Number" required>
      <input type="email" placeholder="Email" required>
      <select required>
         <option value="">Programmes Offered</option>
         <option value="B.Tech">B.Tech</option>
         <option value="M.Tech">M.Tech</option>
         <option value="MBA">MBA</option>
         <option value="PhD">PhD</option>
```

```
        </select>

        <button>Send Message</button>

      </div>

    </div>


  </body>

  </html>
```

Output: