Web Programming
Lab – 1
HTML – Text, Image, Links

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Slot: L11+L12+L31+L32
Class No: CH2024250502774
Course Code: BCSE203E
Faculty: Dr. L.M. Jenila Livingston

Question 1:

1) Design a webpage (home.html) with the following features
   a. Display your name in blue color using the Verdana font in the screen. Set the webpage title as "Welcome to my page – [Your Registration Number]".
   b. Print alphabets from A to F on the screen from the smallest to largest font, each letter styled with a different font and color.
   c. Display your first name in bold, middle name in italics and last name in underlined font format.
   d. Write and display two paragraphs that describes your ambition and hobbies.
      - Highlight the ambition text with a yellow background.
      - Italicize and bold the hobbies text.
   b. Add a comment line in your HTML code. Ensure it does not appear on the webpage.
   c. Display the following equations on the page:
      - $(a-b)^2 = a^2 - 2ab + b^2$
      - $2H_2 + O_2 = 2H_2O$
   d. Display a C program that prints your account number and balance (include the ₹ (Rs.) symbol.)
   e. Set an image as the background of the webpage
   f. Apply marquee to display your roll number
   g. Insert a passport sized image aligned to the right side of the screen
   h. Use a `<div>` tag to display two separate paragraphs.
   i. Create the link at the bottom of the page and move from bottom to top onclick
   j. Create a "mailto" link to any email-id
   k. Use acronym, meter, progress bar and summary tags on your page

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Welcome to my page - [23BCE1728]</title>
</head>
<body background="skybue.jpeg">
    <p style="color: blue;font-family:verdana;">Sushen Grover</p>
    <h6 style="color: red;font-family:sans-serif;">A</h6>
    <h5 style="color: brown;font-family:'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;">B</h5>
    <h4 style="color: purple;font-family:'Times New Roman', Times, serif;">C</h4>
    <h3 style="color: orange;font-family:Arial, Helvetica, sans-serif;">D</h3>
    <h2 style="color: green;font-family:Georgia, 'Times New Roman', Times, serif;">E</h2>
    <h1 style="color: yellow;font-family:system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto,
Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;">F</h1>
    <p>
        <b>Sushen</b>
        <i>Grover</i>
        <u>SG</u>
    </p>
    <p>
        My ambition is to excel as a <mark>problem solver and innovator in the field of technology</mark>.
I aspire to contribute to cutting-edge advancements by developing solutions that address real-world
challenges, from efficient algorithms to impactful software systems. My long-term goal is to lead projects
that blend creativity and engineering, whether it's through building sustainable energy systems, advancing
artificial intelligence, or improving digital accessibility. By constantly honing my skills and learning
new tools, I aim to leave a meaningful mark in the tech world.
    </p>
    <p>
        In my free time, I enjoy a variety of hobbies that keep me both inspired and grounded.
<i><b>Coding</b></i> is not just a profession for me; it's also a passion, and I often challenge myself
with competitive programming problems or personal projects. Outside the digital realm, I have a love for
<i><b>art and design</b></i>, which lets me explore creativity through sketches and digital illustrations.
Additionally, I enjoy <i><b>reading books</b></i>—especially those that blend science and philosophy—as
they offer me fresh perspectives. Whenever I get the chance, I also indulge in <i><b>outdoor activities
like hiking or playing badminton</b></i> to stay active and refresh my mind.
    </p>
    <!-- This is a comment line and it will not appear in the code. -->
    <p>
```

```
        (a-b)<sup>2</sup>=a<sup>2</sup>-2ab+b<sup>2</sup>
    </p>
    <p>
        2H<sub>2</sub>+O<sub>2</sub>=2H<sub>2</sub>O
    </p>
    <p>
        <h3>C Program to display Acount number and balance</h3>
        #include &ltstdio.h&gt<br>
            int main() {<br>
                long accountNumber = 1234567890;<br>
                double balance = 10543.75;<br>
                printf("Account Details:\n");<br>
                printf("Account Number: %ld\n", accountNumber);<br>
                printf("Balance: %.2f\n", balance);<br>
                return 0;<br>
            }<br>
    </p>
    <br>
    <marquee>Roll No: 23BCE1728</marquee>
    <img width="150" src="pp.jpg" alt="Passport Size img" align="right">
    <div><h4>Paragraph 1</h4>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Doloribus ullam non
incidunt ducimus, nesciunt quod laborum debitis tempora aut quaerat voluptas atque cupiditate nihil
repellendus nam, maxime veritatis. Reiciendis, laborum.</div>
    <div><h4>Paragraph 2</h4>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Doloribus ullam non
incidunt ducimus, nesciunt quod laborum debitis tempora aut quaerat voluptas atque cupiditate nihil
repellendus nam, maxime veritatis. Reiciendis, laborum.</div>
    <br>
    <a href="" target="_top">Link to top of the webpage</a>
    <br>
    <a href="mailto:groversushen@gmail.com">Mail Us</a>
    <br>
    <br>
    <p>
        <h3>Acronym</h3>
        <acronym title="Vellore Institute of Technology">VIT</acronym>
        <br>
    </p>
    <p>
        <h3>Meter</h3>
        Life goals achieved (30%)
        <meter min="0" max="100" value="30"></meter>
        <br>
    </p>
    <p>
        <h3>Progress Bar</h3>
        Progress in life goals (70%)
        <progress max=100 value=70></progress>
        <br>
    </p>
    <p>
        <h3>Summary</h3>
        <details>
            <summary>VIT</summary>
            <p>VIT provides a platform for students and faculty to connect with international experts and
collaborate on projects involving cutting-edge technologies.</p>
        </details>
        <br>
    </p>
    <p>
        <a href="greetings.html" target="_blank">Link to Greetings Page</a>
    </p>
</body>
</html>
```

Output:

Sushen Grover
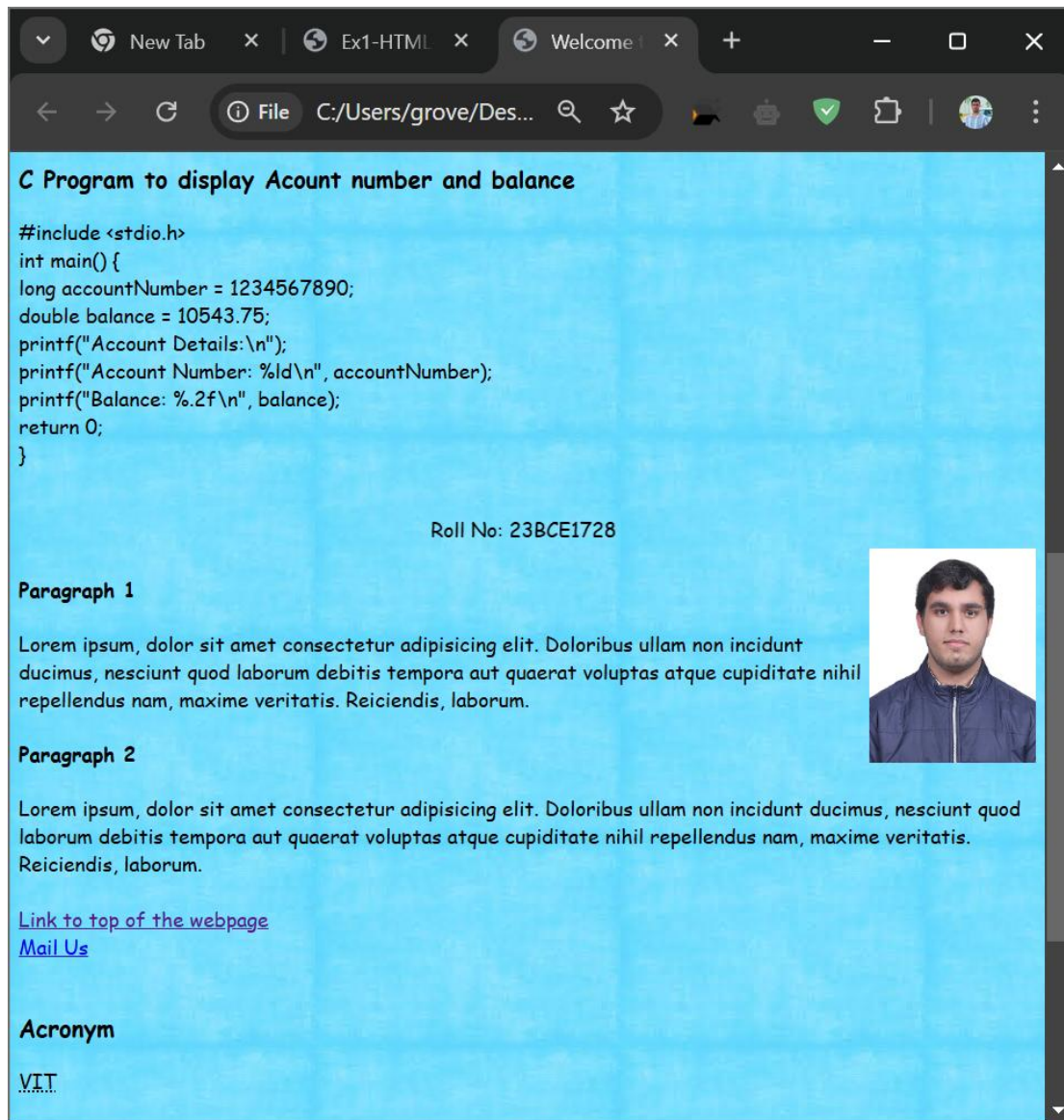
A

B

C

D

E

F

Sushen *Grover* <u>SG</u>

My ambition is to excel as a <mark>problem solver and innovator in the field of technology</mark>. I aspire to contribute to cutting-edge advancements by developing solutions that address real-world challenges, from efficient algorithms to impactful software systems. My long-term goal is to lead projects that blend creativity and engineering, whether it's through building sustainable energy systems, advancing artificial intelligence, or improving digital accessibility. By constantly honing my skills and learning new tools, I aim to leave a meaningful mark in the tech world.
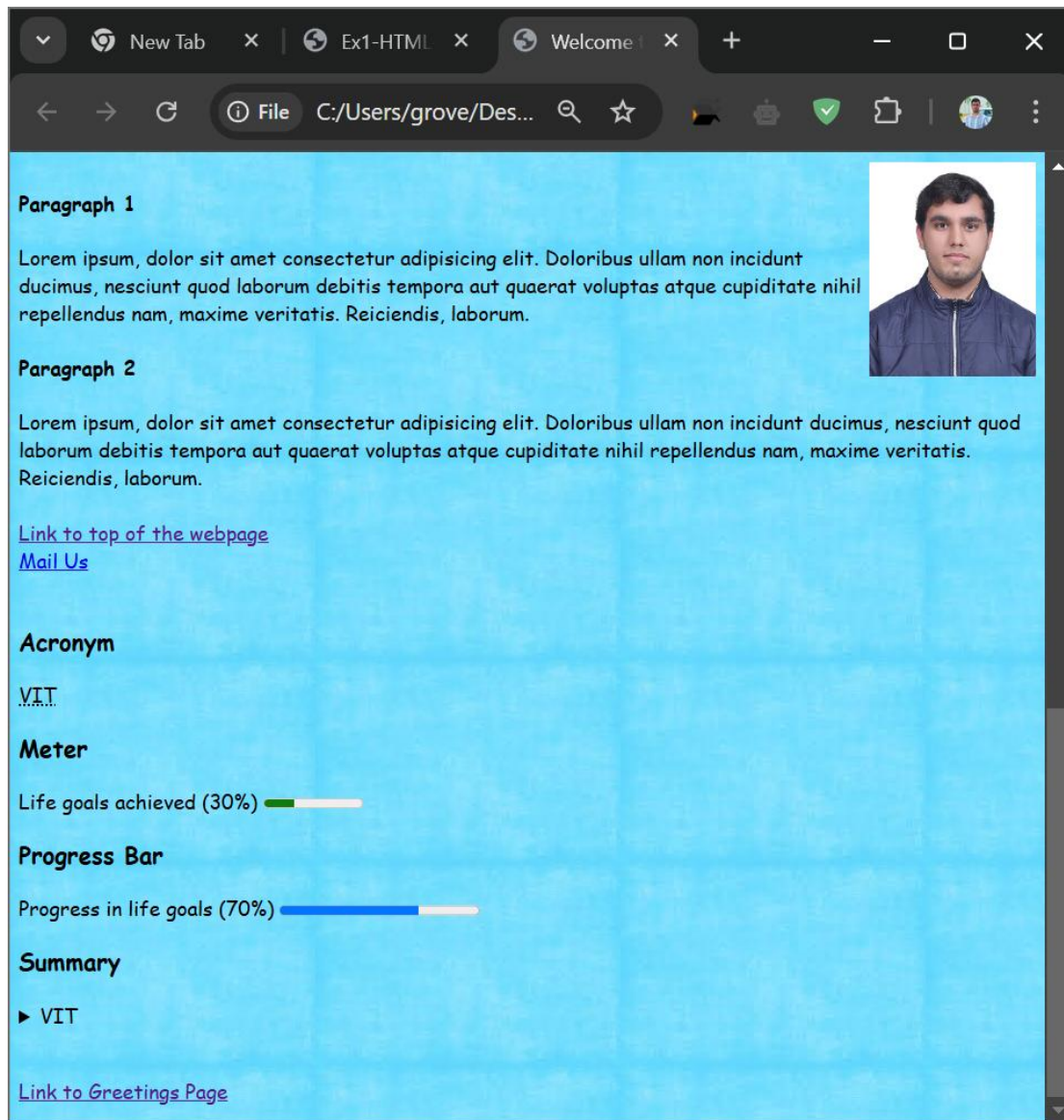
In my free time, I enjoy a variety of hobbies that keep me both inspired and grounded. *Coding* is not just a profession for me; it's also a passion, and I often challenge myself with competitive programming problems or personal projects. Outside the digital realm, I have a love for *art and design*, which lets me explore creativity through sketches and digital illustrations. Additionally, I enjoy *reading books*—especially those that blend science and philosophy—as they offer me fresh perspectives. Whenever I get the chance, I also indulge in *outdoor activities like hiking or playing badminton* to stay active and refresh my mind.

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}
```

Roll No: 23BCE1728

Paragraph 1

Lorem ipsum, dolor sit amet consectetur adipisicing elit. Doloribus ullam non incidunt ducimus, nesciunt quod laborum debitis tempora aut quaerat voluptas atque cupiditate nihil repellendus nam, maxime veritatis. Reiciendis, laborum.

Paragraph 2

Lorem ipsum, dolor sit amet consectetur adipisicing elit. Doloribus ullam non incidunt ducimus, nesciunt quod laborum debitis tempora aut quaerat voluptas atque cupiditate nihil repellendus nam, maxime veritatis. Reiciendis, laborum.

Link to top of the webpage
Mail Us

Acronym

VIT

Question 2:

2) Design an E-Greeting page (greeting.html) that is properly aligned using semantic tags.

Provide links from the home page to the greeting page and vice versa

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body align="center" background="pink.jpg">
    <h1>  Happy Birthday!  </h1>
    <p>Wishing you a wonderful day filled with love, laughter, and happiness!</p>
    <p>  Enjoy your special day!  </p>
    <img src="birthdayCake.jpg" width="250" alt="Birthday Cake">
    <p>
        <a href="home.html" target="_blank">Link to Home Page</a>
    </p>
</body>
</html>
```

```
</html>
```

Output: