**Expt No.: 1 Name: Swaranjana Nayak**

**Date: 12/02/2021 Reg. No.: 19BCE0977**

**CYCLE SHEET 1**

**Aim:**

To solve the given problems using HTML and CSS.

**1. HTML EXERCISES**

1. Print your name and Reg-No in green colour with different style of your choice.

Code:

<!DOCTYPE *html*>

<html>

    <head>

        <meta *charset*="utf-8">

        <meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">

        <title>HTML EXERCISES A</title>

        <meta *name*="description" *content*="Name and Reg. No in green in style of your choice">

        <meta *name*="viewport" *content*="width=device-width, initial-scale=1">

    </head>

    <body>

        <font *color*=green *face*="Arial">

            Swaranjana Nayak

            19BCE0977

        </font>

        <p *style*="color: green; font-family:'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unicode', Geneva, Verdana, sans-serif;">

            Swaranjana Nayak

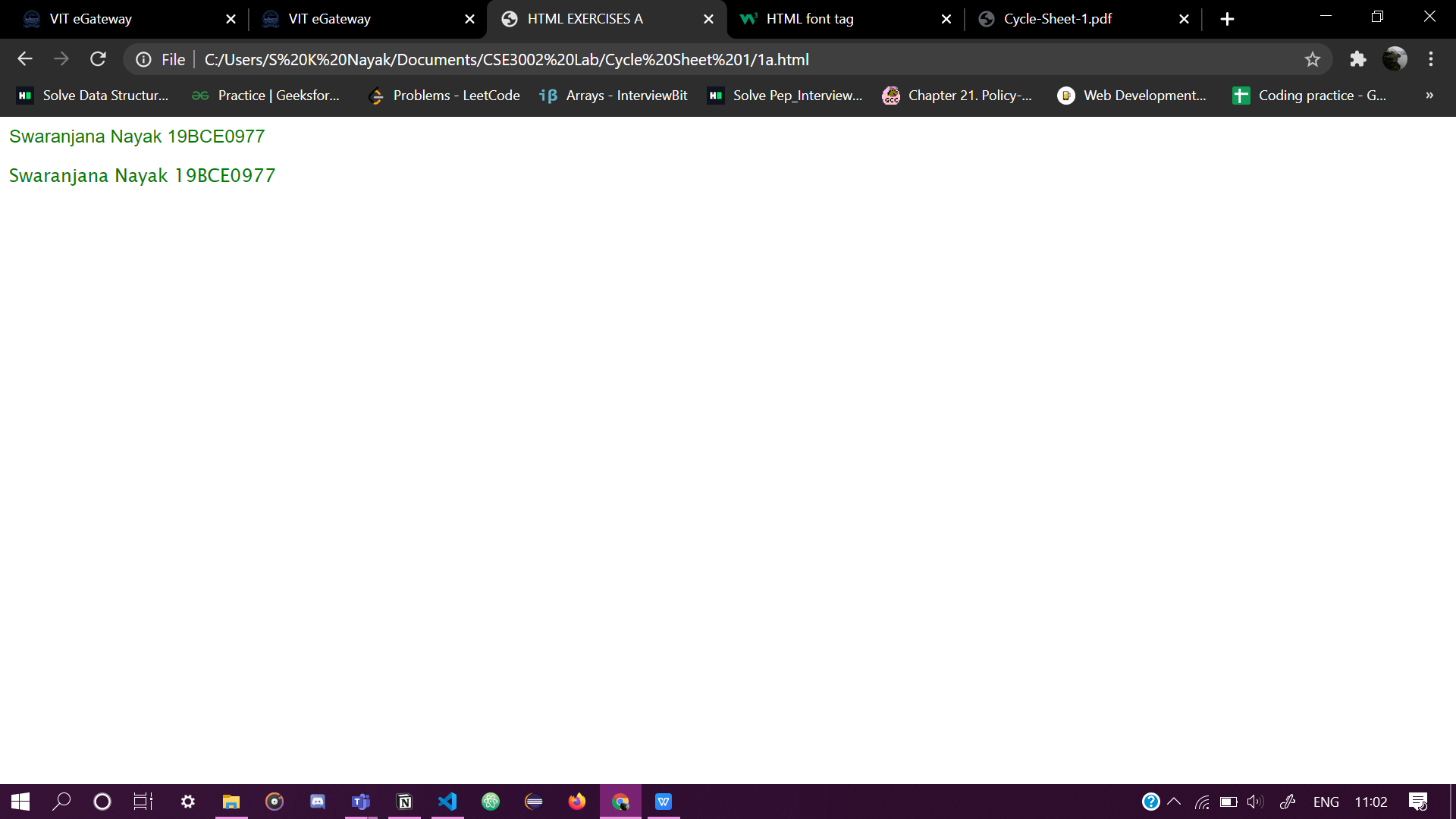
            19BCE0977

        </p>

    </body>

</html>

Output:



1. Print the numbers 1-10, each number being a different colour.

Code:

<!DOCTYPE *html*>

<html>

    <head>

        <meta *charset*="utf-8">

        <meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">

        <title>HTML EXERCISES A</title>

        <meta *name*="description" *content*="Print the numbers 1-10, each number being a different color">

        <meta *name*="viewport" *content*="width=device-width, initial-scale=1">

    </head>

    <body>

        <p *style*="color: red;">1</p>

        <p *style*="color: green;">2</p>

        <p *style*="color: blue;">3</p>

        <p *style*="color: black;">4</p>

        <p *style*="color: yellow;">5</p>

        <p *style*="color: orange;">6</p>

        <p *style*="color: purple;">7</p>

        <p *style*="color: brown;">8</p>

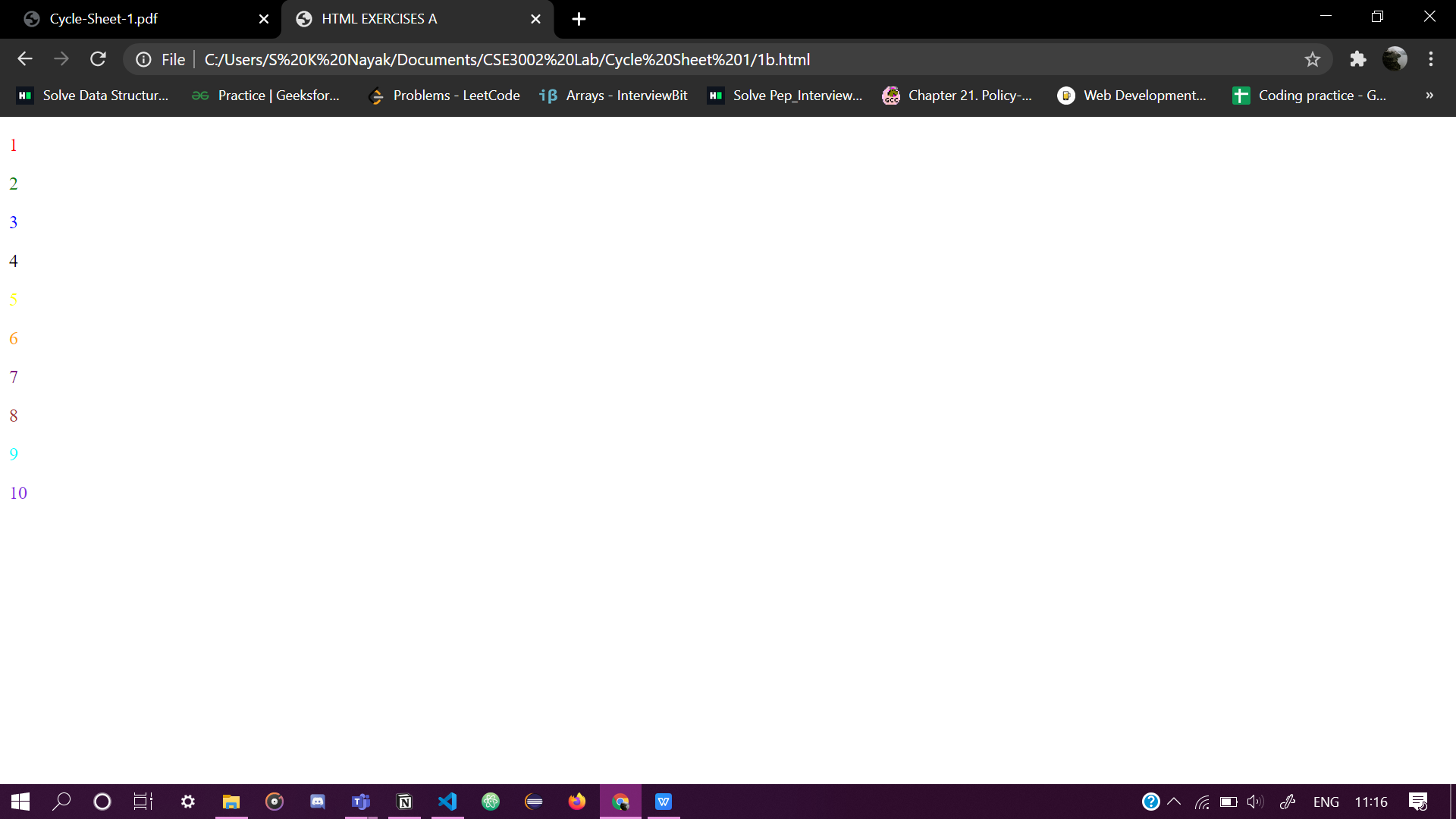
        <p *style*="color: cyan;">9</p>

        <p *style*="color: blueviolet;">10</p>

    </body>

</html>

Output:



1. Print a paragraph with 4 - 5 sentences. Each sentence should be a different font

Code:

<!DOCTYPE *html*>

<html>

    <head>

        <meta *charset*="utf-8">

        <meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">

        <title>HTML EXERCISES 1C</title>

        <meta *name*="description" *content*="Print a paragraph with 4 - 5 sentences. Each sentence should be a different font">

        <meta *name*="viewport" *content*="width=device-width, initial-scale=1">

    </head>

    <body>

        <p>

            <font *face*="Courier New">

                My name is Swaranjana Nayak.

            </font>

            <font *face*="Arial">

                I am a Computer Science somphomore at Vellore Institute of Technology.

            </font>

            <font *face*="Garamond">

                This is a cycle sheet for CSE3002 - Internet and Web Programming.

            </font>

            <font *face*="Georgia">

                Font tag is deprecated, should use span tag with classes instead.

            </font>

            <font *face*="Cursive">

                But this paragraph is written with font tag.

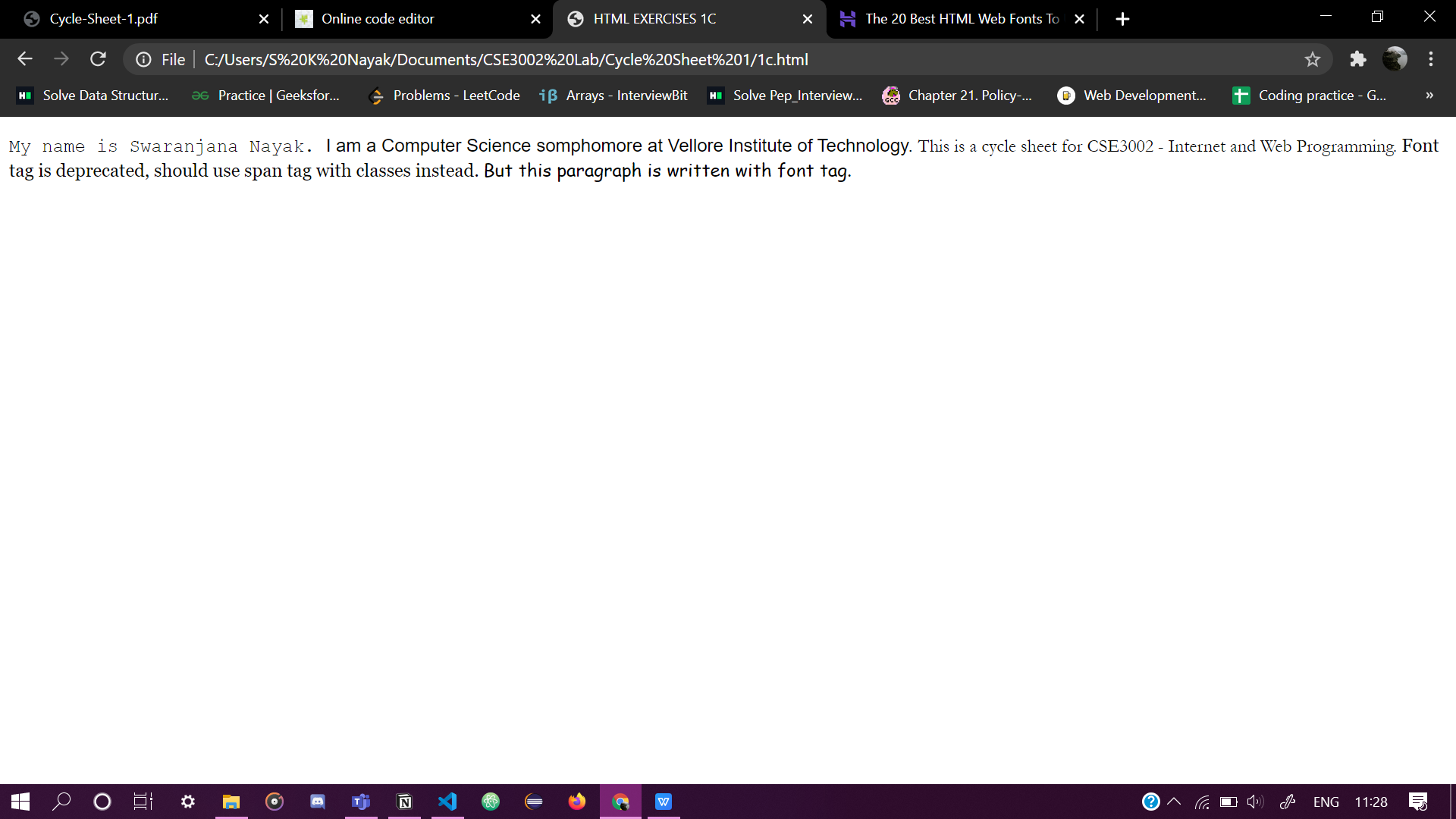
            </font>

        </p>

    </body>

</html>

Output:



1. Print a paragraph that is a description of a book; include the title of the book as well as its author. Names and titles should be underlined, adjectives should be italicized and bolded.

Code:

<!DOCTYPE *html*>

<html>

    <head>

        <meta *charset*="utf-8">

        <meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">

        <title>HTML EXERCISES 1D</title>

        <meta *name*="description" *content*="Book Description">

        <meta *name*="viewport" *content*="width=device-width, initial-scale=1">

    </head>

    <body>

        <h2><u>War and Peace</u></h2>

        <h3><u>Leo Tolstoy</u></h3>

        <p>

            In Russia's struggle with Napoleon, Tolstoy saw a tragedy that involved all mankind.

            <strong><em>Greater</em></strong> than a historical chronicle, War and Peace is an affirmation of life itself,

            'a <strong><em>complete</em></strong> picture', as a contemporary reviewer put it,

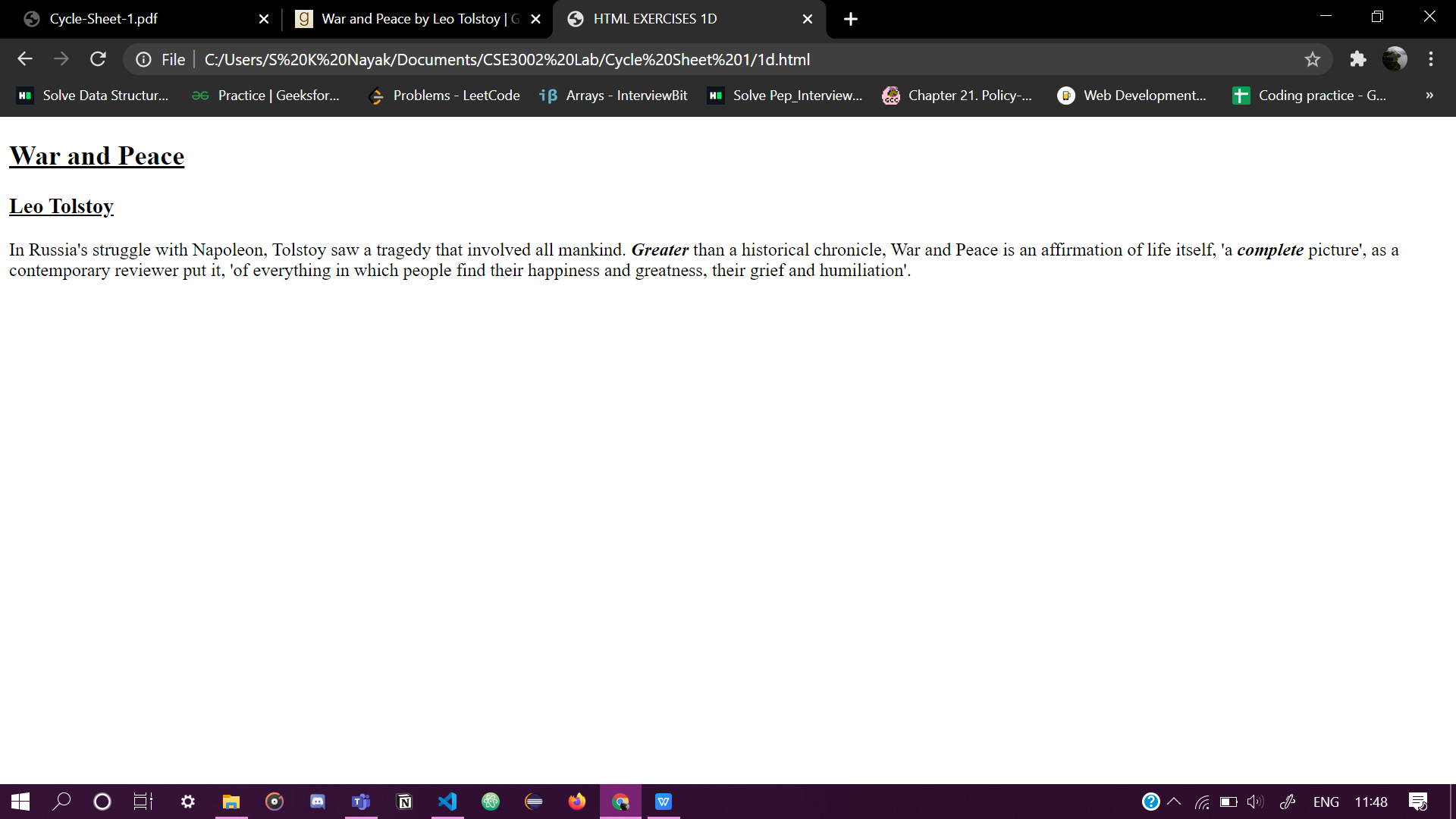
            'of everything in which people find their happiness and greatness, their grief and humiliation'.

        </p>

    </body>

</html>

Output:



1. Print your name to the screen with every letter being a different heading size.

Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>HTML EXERCISES 1D</title>

        <meta name="description" content="Print your name to the screen with every letter being a different heading size">

        <meta name="viewport" content="width=device-width, initial-scale=1">

    </head>

    <body>

        <h1>S</h1>

        <h2>W</h2>

        <h3>A</h3>

        <h4>R</h4>

        <h5>A</h5>

        <h6>N</h6>

        <h5>J</h5>

        <h4>A</h4>

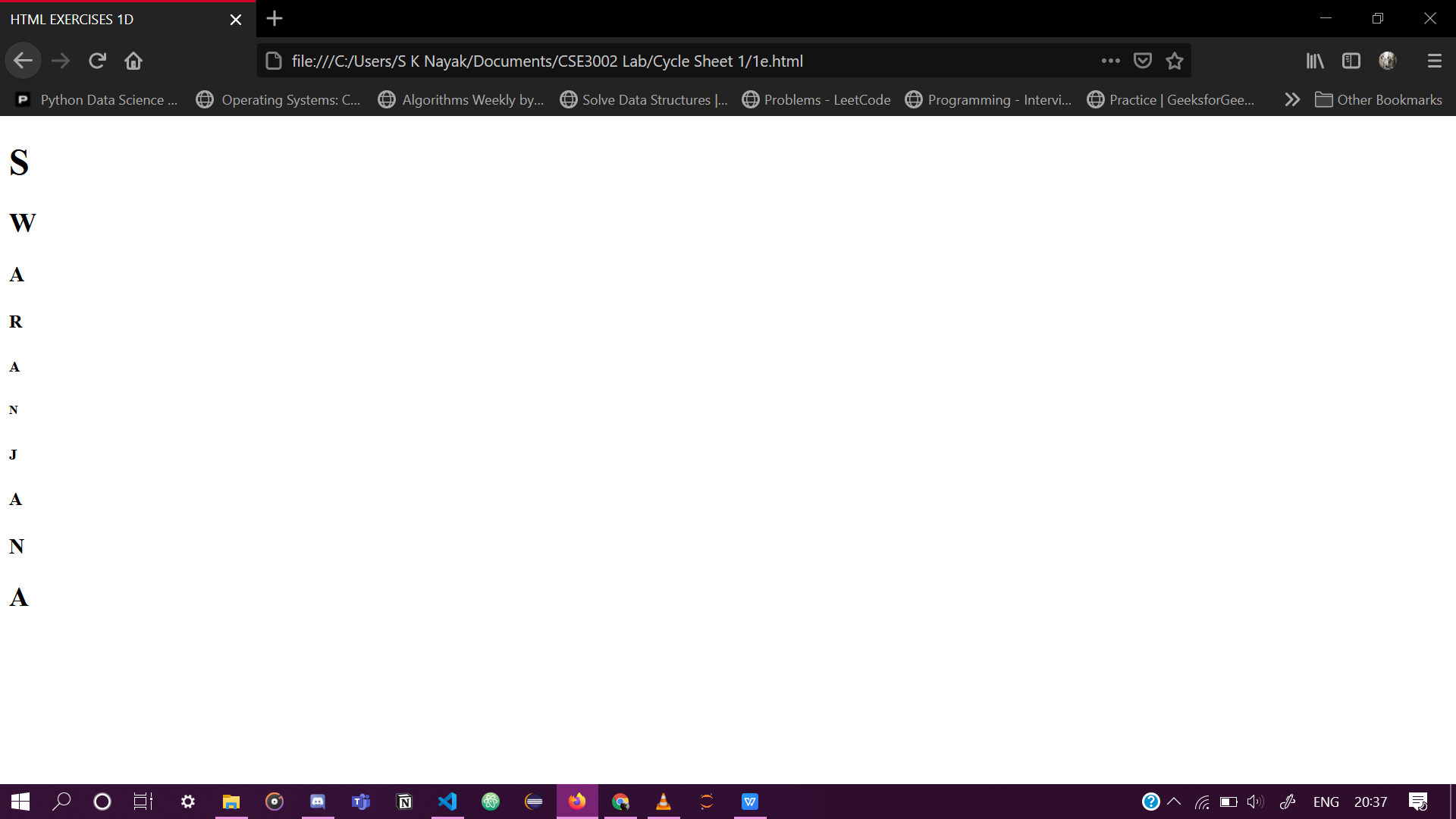
        <h3>N</h3>

        <h2>A</h2>

    </body>

</html>

Output:



1. Write a comment line on your code and make sure it is not displayed in the page.

Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>HTML EXERCISES 1D</title>

        <meta name="description" content="Comment in code">

        <meta name="viewport" content="width=device-width, initial-scale=1">

    </head>

    <body>

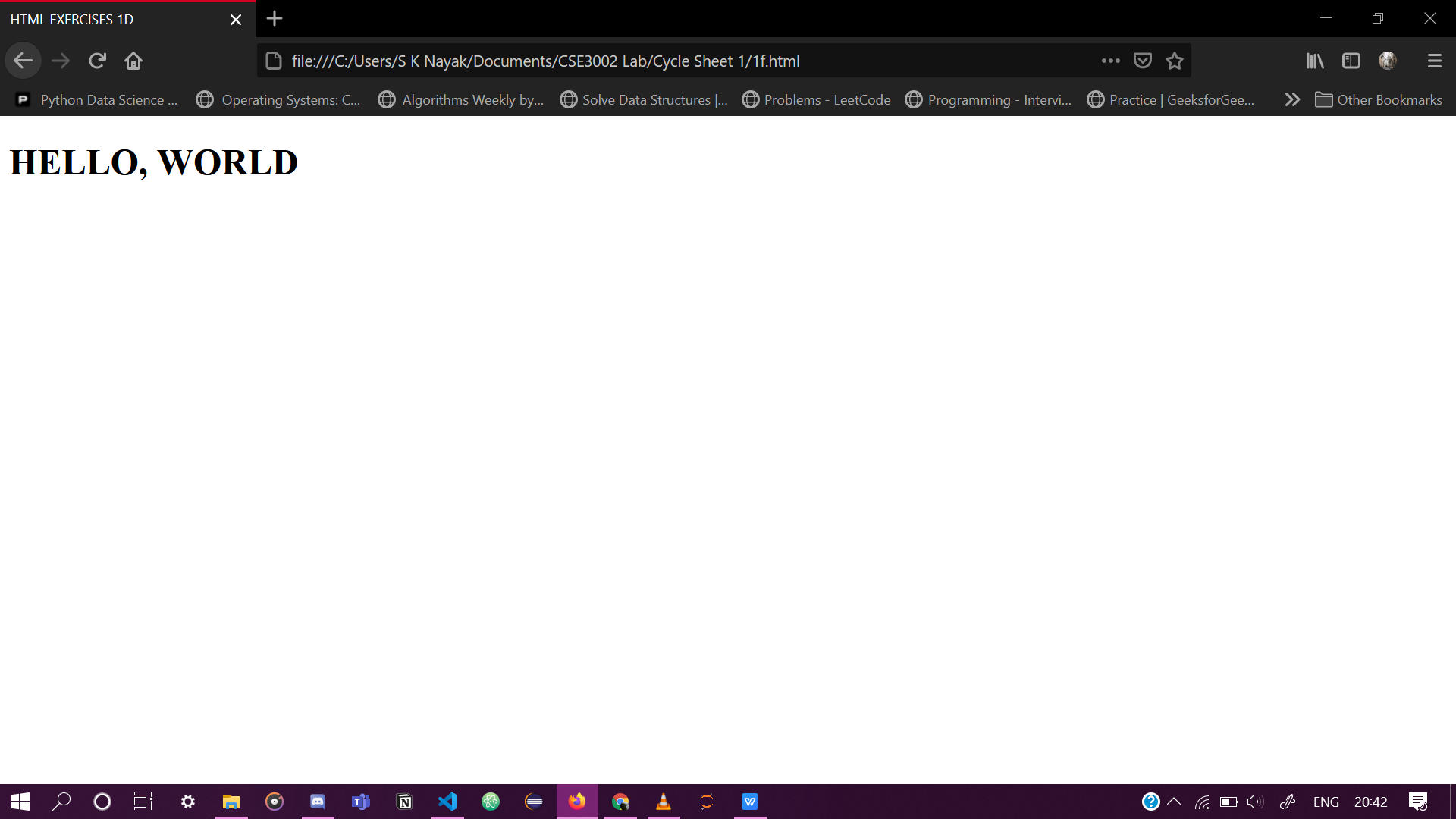
        <h1>HELLO, WORLD</h1>

        <!--p>This line is a comment</p-->

    </body>

</html>

Output:



1. Display a ‘C’ code as it is in the page.

Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>HTML EXERCISES 1G</title>

        <meta name="description" content="C Code as it is">

        <meta name="viewport" content="width=device-width, initial-scale=1">

    </head>

    <body>

        <pre>

                # include < stdio.h >

                # include < stdlib.h >

                int maxSumIS(int \*arr, int n);

                int main()

                {

                    int n, max, i; //sum, max, i, j, prev;

                    int \*a;

                    scanf("%d", &n);

                    a = (int \*)malloc(n \* sizeof(int));

                    for(i = 0; i < n; i++)

                    {

                        scanf("%d", a+i);

                    }

                    max = maxSumIS(a, n);

                    printf("%d", max);

                    return 0;

                }

                int maxSumIS(int \*arr, int n)

                {

                    int i, j, max = 0;

                    int \*msis;

                    msis = (int \*)malloc(n \* sizeof(int));

                    for ( i = 0; i < n; i++ )

                    {

                        msis[i] = arr[i];

                    }

                    for ( i = 1; i < n; i++ )

                    {

                        for ( j = 0; j < i; j++ )

                        {

                            if (arr[i] > arr[j] && msis[i] < msis[j] + arr[i])

                            {

                                msis[i] = msis[j] + arr[i];

                            }

                        }

                    }

                    for ( i = 0; i < n; i++ )

                    {

                        if ( max < msis[i] )

                        {

                            max = msis[i];

                        }

                    }

                    return max;

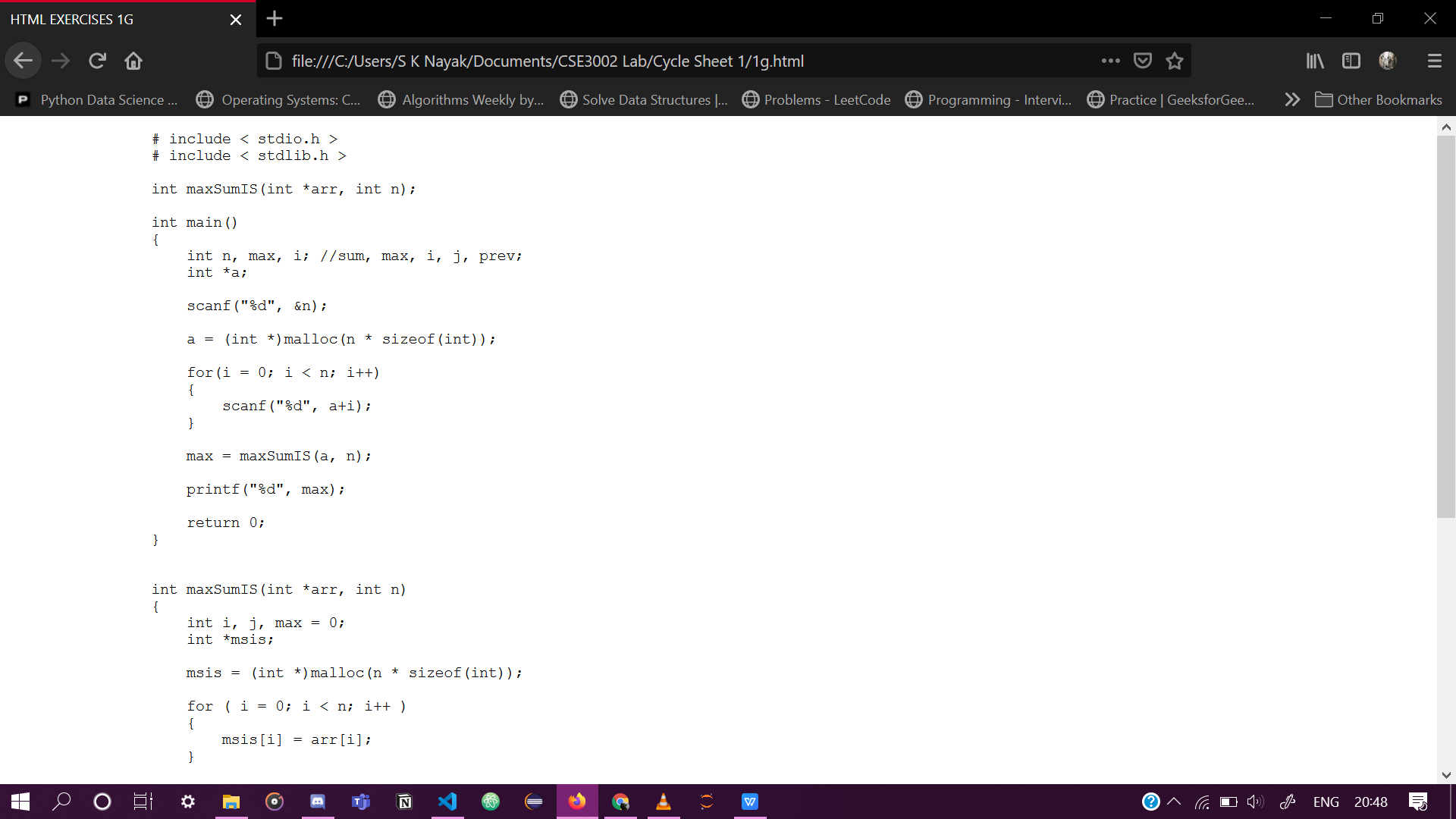
                }

        </pre>

    </body>

</html>

Output:



1. Set the background colour of the page as yellow

Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>HTML EXERCISES 1H</title>

        <meta name="description" content="Set the background colour of the page as yellow">

        <meta name="viewport" content="width=device-width, initial-scale=1">

    </head>

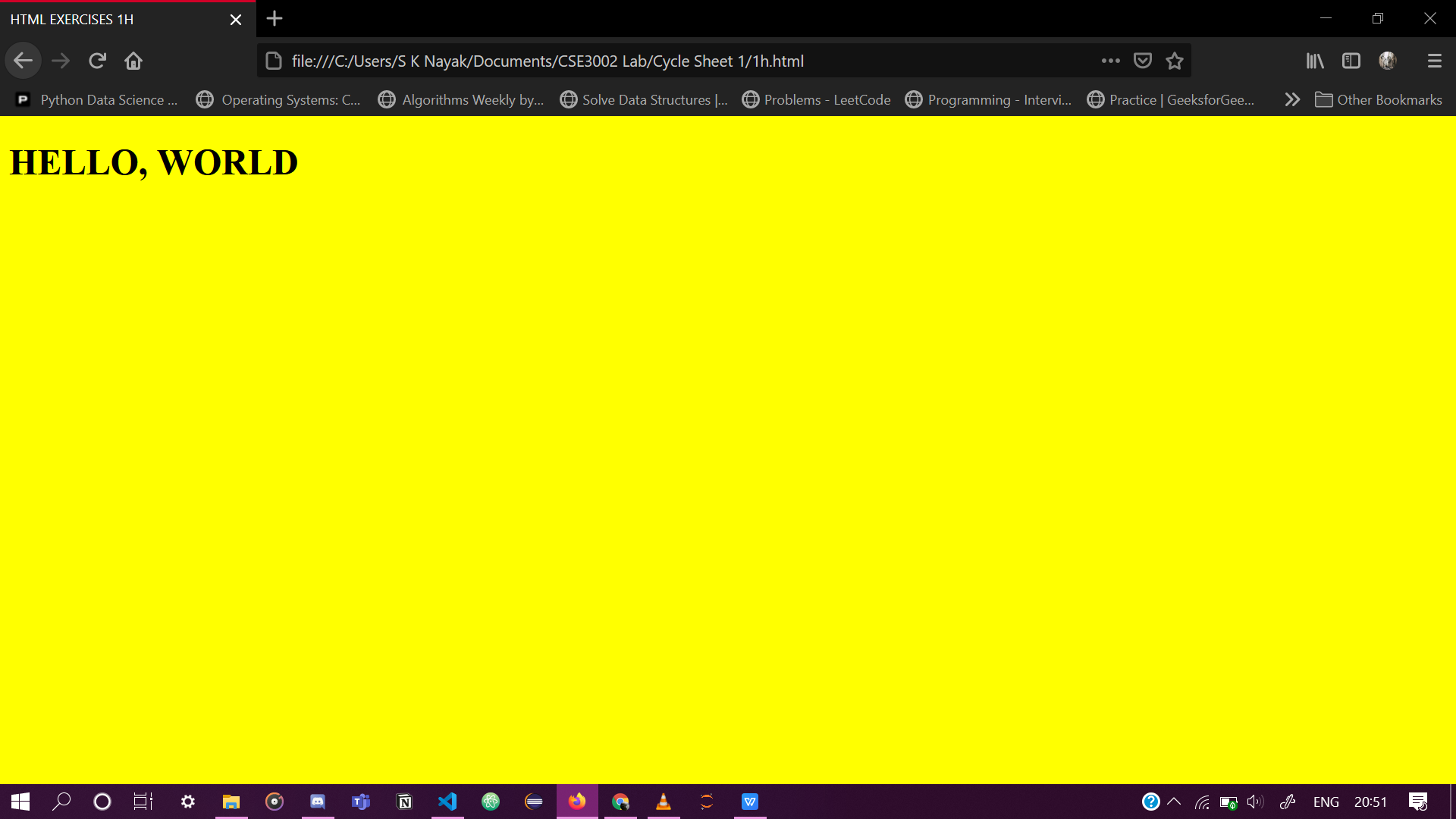
    <body bgcolor=yellow>

        <h1>HELLO, WORLD</h1>

    </body>

</html>

Output:



1. Apply marquee for your name.

Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>HTML EXERCISES 1I</title>

        <meta name="description" content="Apply marquee for your name.">

        <meta name="viewport" content="width=device-width, initial-scale=1">

    </head>

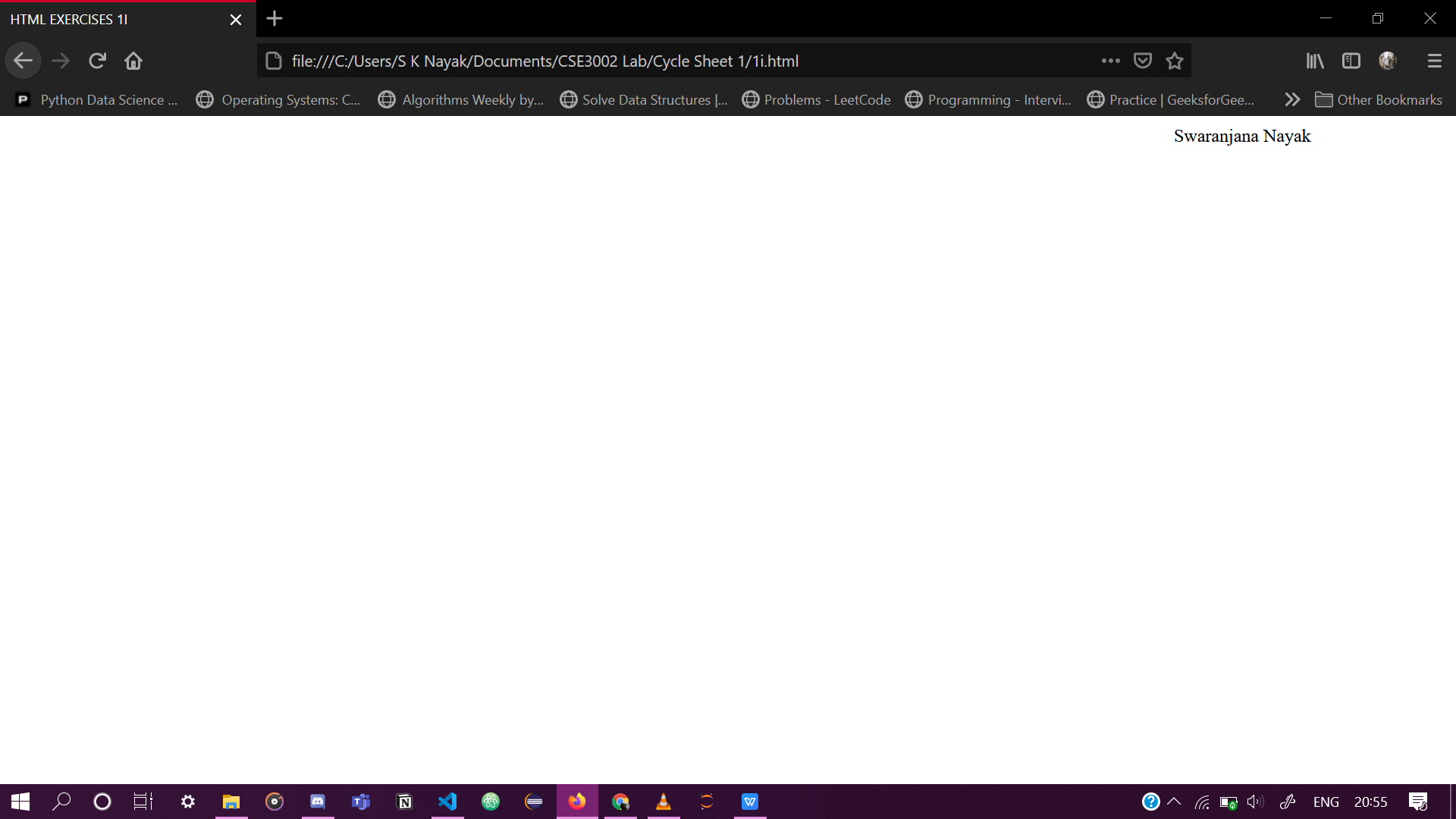
    <body>

        <marquee behavior="scroll" direction="left">Swaranjana Nayak</marquee>

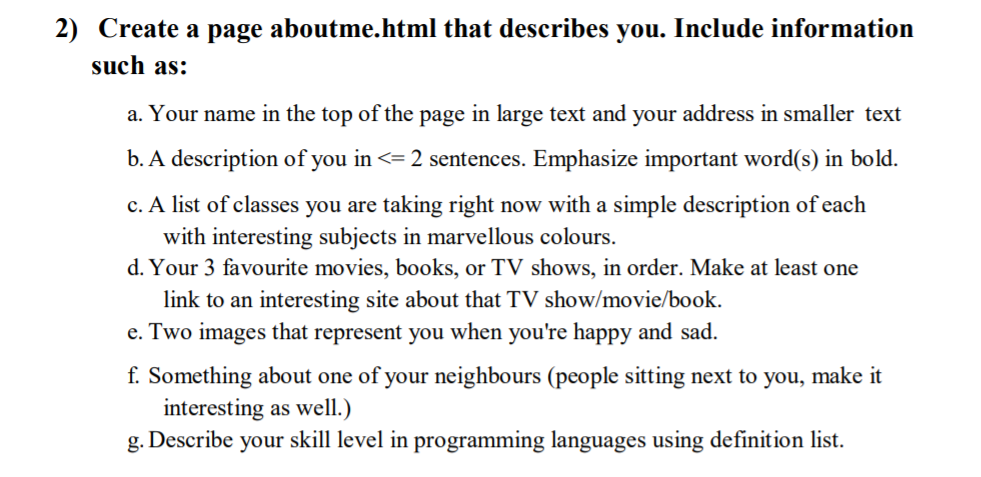
    </body>

</html>

Output:



**2. aboutme.html**



Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>Swaranjana</title>

        <meta name="description" content="A page about me">

        <meta name="viewport" content="width=device-width, initial-scale=1">

    </head>

    <body>

        <h1>Swaranjana Nayak</h1>

        <h4>Prabhat Road, Pune, Maharashtra</h4>

        <p>

            I am a <em>Computer Science and Engineering sophomore</em> at

            <em>Vellore Institute of Technology</em>, Vellore. I love classic

            and contemprary <em>literature</em>, music, and TV shows.

        </p>

        <h3>Classes I am taking this semester:-</h3>

        <ul>

            <li>

                Network and Communication:

                <font color=green>All about how the world is connected</font>

            </li>

            <li>

                Java Programming:

                <font color=red>About the language Java</font>

            </li>

            <li>

                Software Engineering:

                <font color=blue>About how software is developed in the industry</font>

            </li>

            <li>

                Internet and Web Programming:

                <font color=purple>About creating websites and how the web works</font>

            </li>

            <li>

                Data Visualization:

                <font color=orange>About analysing given data by visualizing it</font>

            </li>

            <li>

                Lean Startup Management:

                <font color=brown>About what lean startups are and how they work</font>

            </li>

            <li>

                Aptitude Course:

                <font color=cyan>Advanced reasoning course</font>

            </li>

        </ul>

        <h3>My favourite books:-</h3>

        <ol>

            <li>

                <a href="https://en.wikipedia.org/wiki/War\_and\_Peace">

                    War and Peace by Leo Tolstoy

                </a>

            </li>

            <li>

                <a href="https://www.goodreads.com/book/show/166997.Stoner">

                    Stoner by John Williams

                </a>

            </li>

            <li>

                <a href="https://www.goodreads.com/book/show/2865.Girl\_with\_a\_Pearl\_Earring">

                    Girl With a Pearl Earring by Tracy Chevalier

                </a>

            </li>

        </ol>

        <h3>Happy :)</h3>

        <img src="data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAAkGBxISEhUSEhIVFRUXFRcVFRUSFRcVFhcVFRUXFhgVFhUYHSggGBolGxUVIjEiJSktLi4uFx8zODMvNygtLisBCgoKBQUFDgUFDisZExkrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrKysrK//AABEIASwAqAMBIgACEQEDEQH/xAAcAAEAAQUBAQAAAAAAAAAAAAAAAQIDBAUGBwj/xAA/EAABAwIDBgMGBAQFBAMAAAABAAIDBBESITEFBhMiQVFhcYEHMpGhscEUYnLwQlLR4SMkgrLxM2OSohUWo//EABQBAQAAAAAAAAAAAAAAAAAAAAD/xAAUEQEAAAAAAAAAAAAAAAAAAAAA/"

        alt="Pretty-Lights" height="100px" width="100px">

        <h3>Sad :(</h3>

        <img src="https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTX4gsu5\_RL7iOJQ7WjwHAP3GDjckQHpZmr5Q&usqp=CAU"

        alt="Skeletal-Meme" height="200px" width="100px">

        <br>

        <p>

            My sister is sitting next to me. She loves reading books as well. And she loves dogs and architecture.

        </p>

        <br>

        <dl>

            <lh>Skill Level in Programming Languages</lh>

            <dt>C++

                <dd>I am Proficient in this language

            <dt>C

                <dd>I am Proficient in this language

            <dt>SQL

                <dd>I am Proficient in this language

            <dt>Python

                <dd>I am at intermediate level at this language

            <dt>MATLAB

                <dd>I am at intermediate level at this language

            <dt>Java

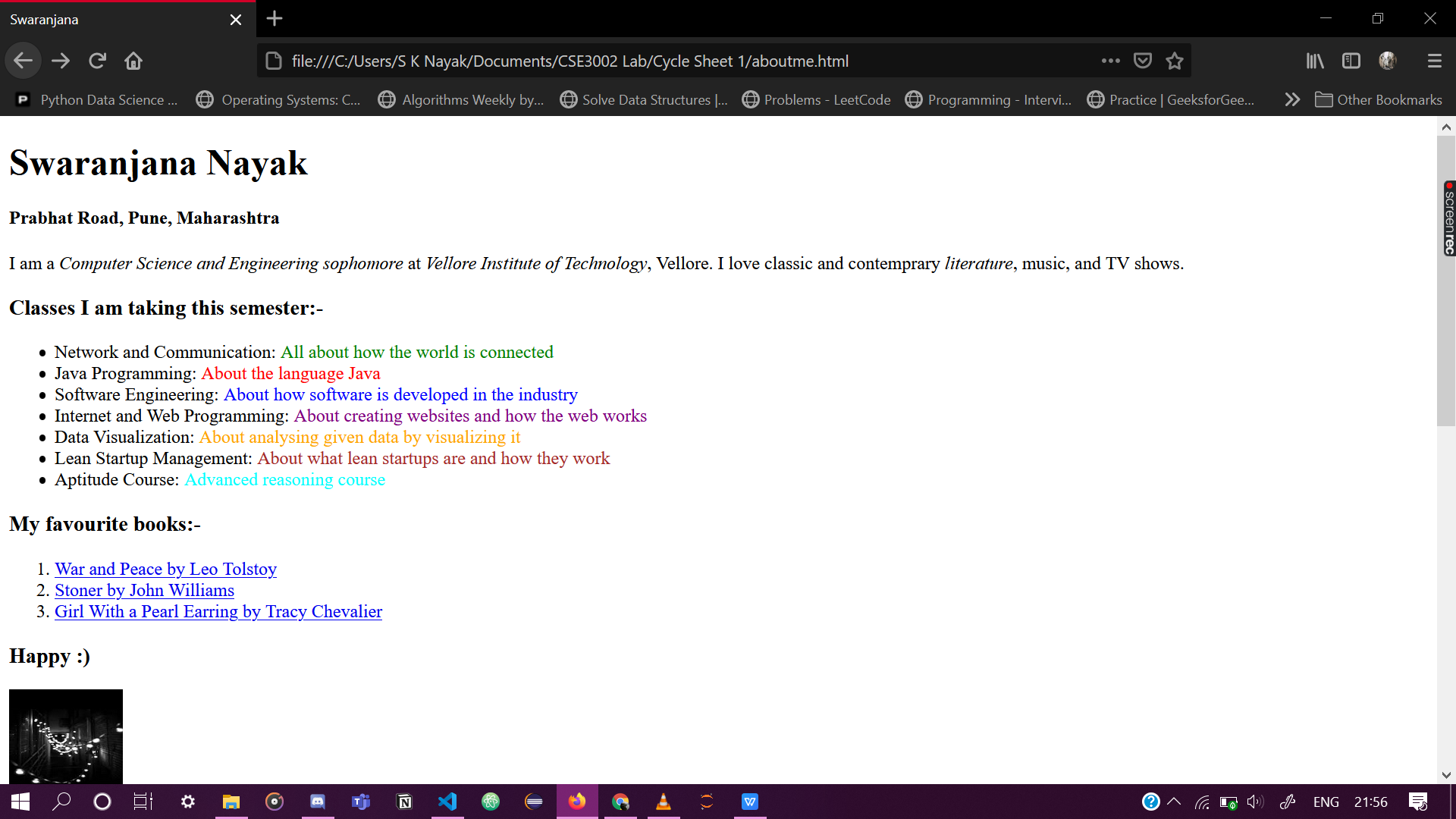
                <dd>I am a beginner in this language

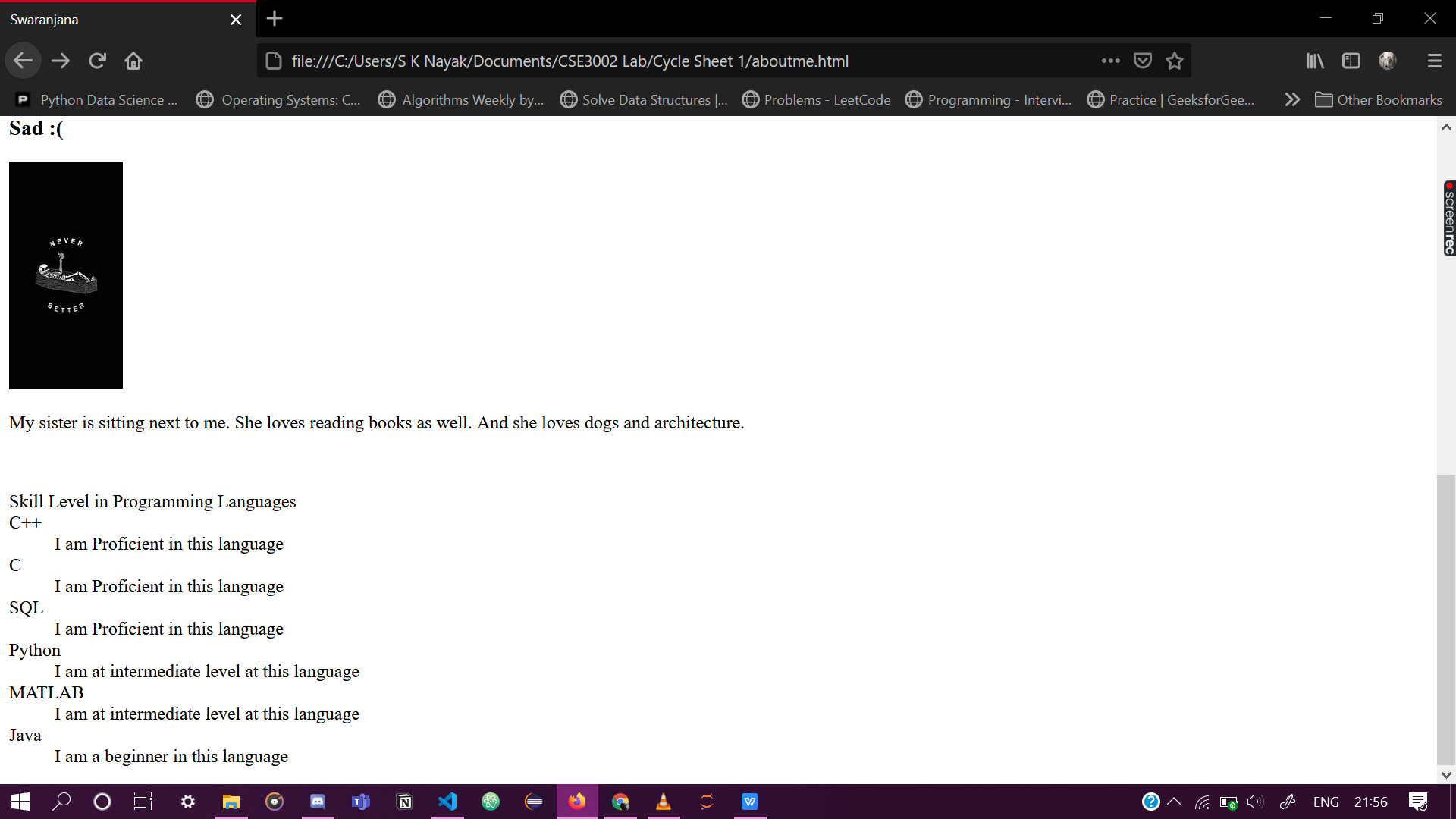
        </dl>

    </body>

</html>

Output:





**3. HTML TEXT FORMATTING, LIST EXERCISES**

1. Prints 10 names with a line break between each name. The list should be alphabetized, and to do this place a subscripted number next to each name based on where it will go in the alphabetized list. (Example: Alan1). Print first, the alphabetized list with a subscript number next to each name, then the alphabetized list. Both lists should have an <h1> level heading.

Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>CYCLE SHEET 3A</title>

        <meta name="description" content="alphabetized / subscripted list">

        <meta name="viewport" content="width=device-width, initial-scale=1">

    </head>

    <body>

        <h1>Unalphabetized, subscripted list</h1>

        Jahnavi <sub>2</sub>

        <br>

        Raj <sub>5</sub>

        <br>

        Arun <sub>1</sub>

        <br>

        Seema <sub>6</sub>

        <br>

        Lokesh <sub>3</sub>

        <br>

        Utkarsha <sub>7</sub>

        <br>

        Mrunmayi <sub>4</sub>

        <h1>Alphabetized List</h1>

        Arun

        <br>

        Jahnavi

        <br>

        Lokesh

        <br>

        Mrunmayi

        <br>

        Raj

        <br>

        Seema

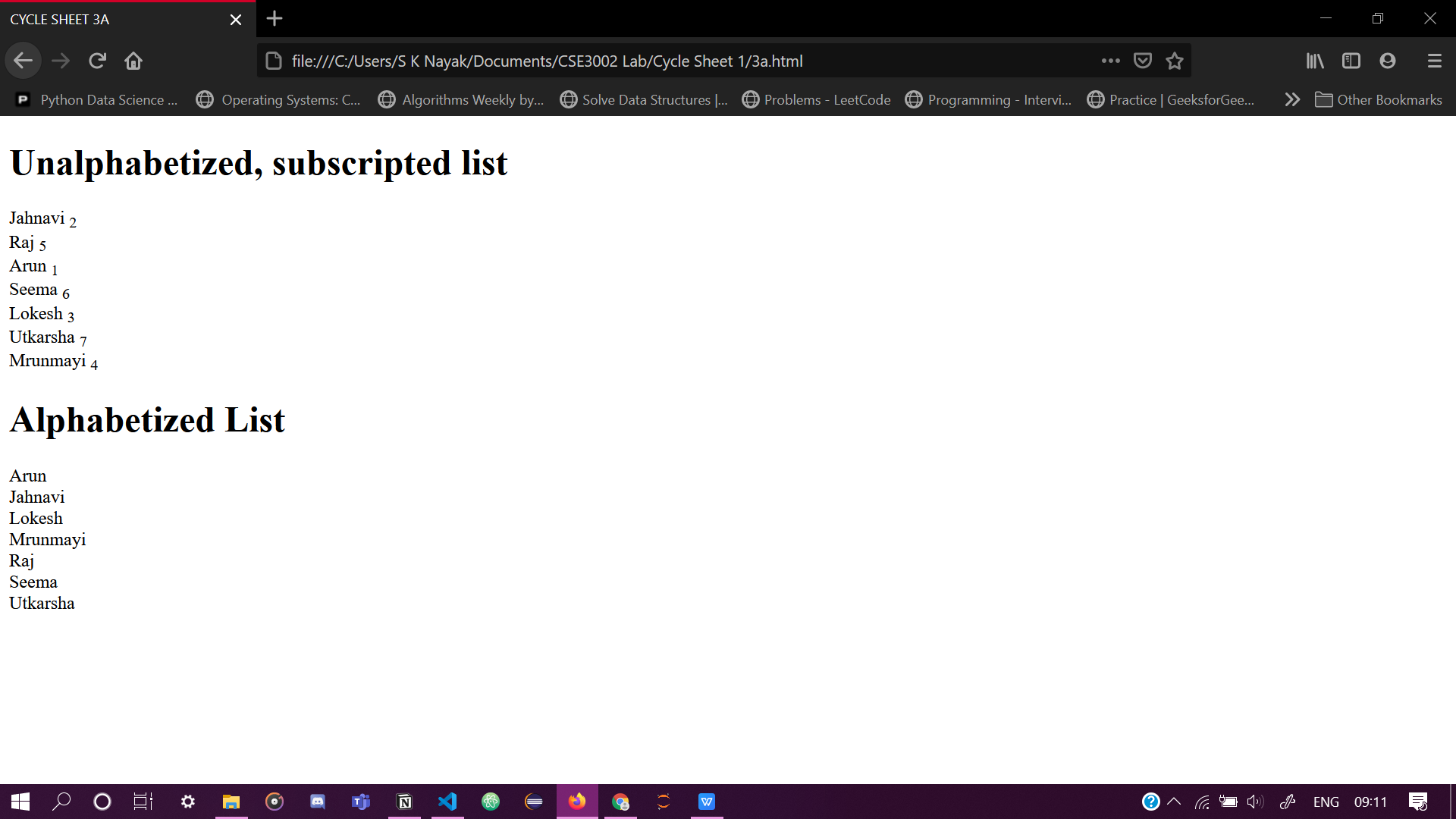
        <br>

        Utkarsha

    </body>

</html>

Output:



1. Print two lists with any information you want. One list should be an ordered list, the other list should be an unordered list.

Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>CYCLE SHEET 3B</title>

        <meta name="description" content="ordered / unordered list">

        <meta name="viewport" content="width=device-width, initial-scale=1">

    </head>

    <body>

        <h2>Most popular iOS apps in India</h2>

        <ol>

            <li>WhatsApp Messenger</li>

            <li>YouTube</li>

            <li>Instagram</li>

            <li>Facebook</li>

            <li>Google Pay</li>

        </ol>

        <h2>List of famous War and Peace characters</h2>

        <ul>

            <li>Prince Andrew Bolkonsky</li>

            <li>Natasha Rostova</li>

            <li>Pierre Bezukhov</li>

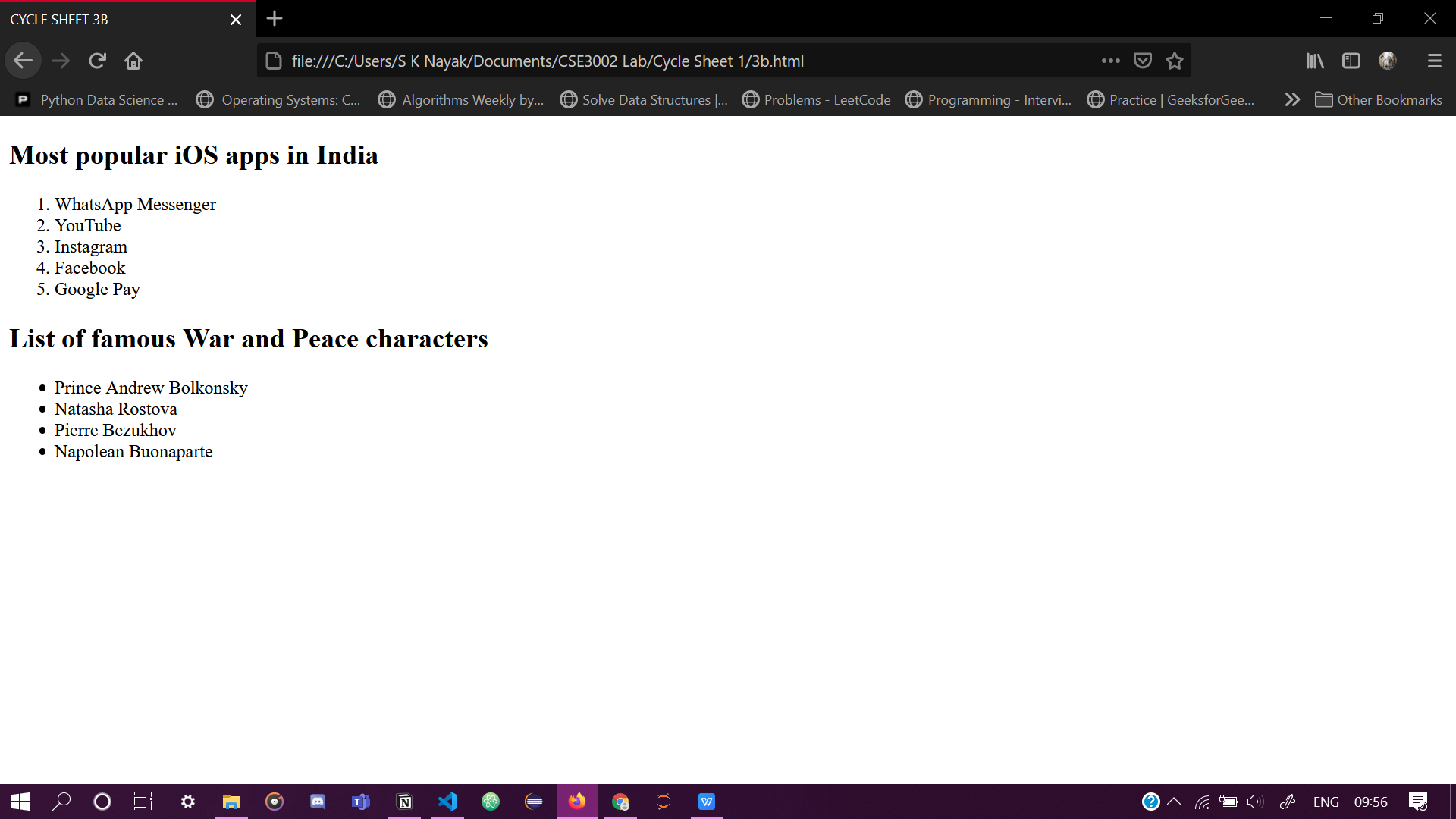
            <li>Napolean Buonaparte</li>

        </ul>

    </body>

</html>

Output:



1. Print a list which starts with 7 with the type ‘i’.

Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>CYCLE SHEET 3C</title>

        <meta name="description" content="ordered list starting from 7 of type 'i'">

        <meta name="viewport" content="width=device-width, initial-scale=1">

    </head>

    <body>

        <h2>Most popular iOS apps in India</h2>

        <ol start="7" type="i">

            <li>Google Chrome</li>

            <li>PhonePe</li>

            <li>Snapchat</li>

            <li>Amazon</li>

            <li>Google Maps</li>

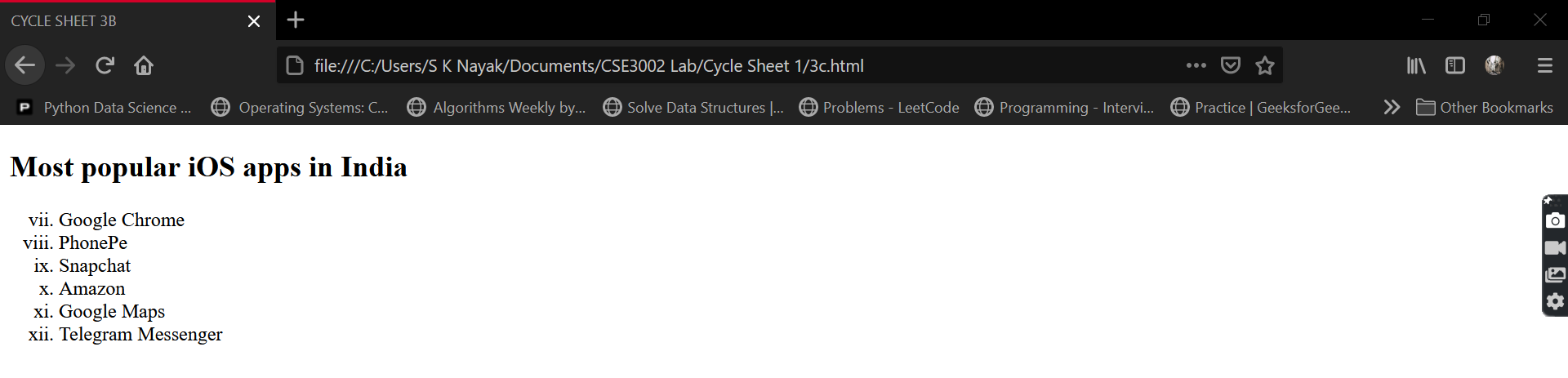
            <li>Telegram Messenger</li>

        </ol>

    </body>

</html>

Output:



1. Print two addresses in the same format used on the front of envelopes (senders address in top left corner, receivers address in the center).

Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>CYCLE SHEET 3D</title>

        <meta name="description" content="Addresses on letter">

        <meta name="viewport" content="width=device-width, initial-scale=1">

    </head>

    <body>

        <em>

            Anandi  Taneja <br>

            15 /, Amar Inds Estate, Andheri Kurla Road, <br>

            Opp.lalitha Rubber Works, Andheri (west) <br>

            Mumbai, Maharashtra, 400072 <br>

        </em>

        <br>

        <br>

        <center>

            <em>

                Gayatri  Nair <br>

                35 , Surya Kiran Cplx, Old Padra Road, Old Padra Road <br>

                Vadodara, Gujarat, 390015 <br>

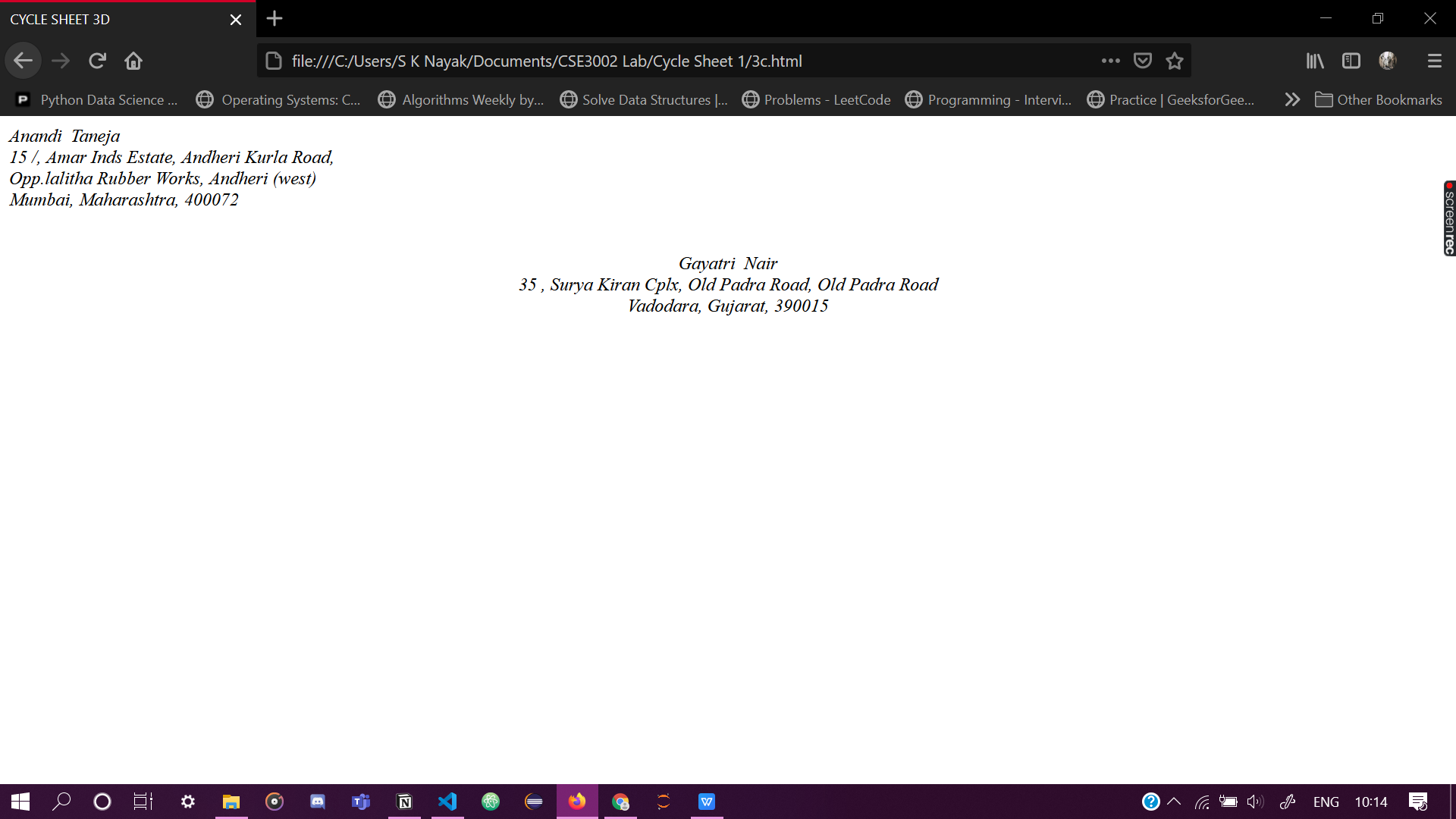
            </em>

        </center>

    </body>

</html>

Output:



1. Print ten acronyms and abbreviations of your choosing, each separated by two lines. Specify the data that the abbreviations and acronyms represent.

Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>CYCLE SHEET 3E</title>

        <meta name="description" content="Acronyms and Abbrevations">

        <meta name="viewport" content="width=device-width, initial-scale=1">

    </head>

    <body>

        <abbr title="Gallon">Gal.</abbr>

        <br>

        <abbr title="Pound">Lb</abbr>

        <br>

        <abbr title="Literature">Lit.</abbr>

        <br>

        <acronym title="Association of Computer Machinery">ACM</acronym>

        <br>

        <acronym title="American Standard Code for Information Interchange">ASCII</acronym>

        <br>

        <acronym title="Data Definition Language">DDL</acronym>

        <br>

        <acronym title="Database Management System">DBMS</acronym>

        <br>

        <acronym title="Operating System">OS</acronym>

        <br>

        <abbr title="Application">App</abbr>

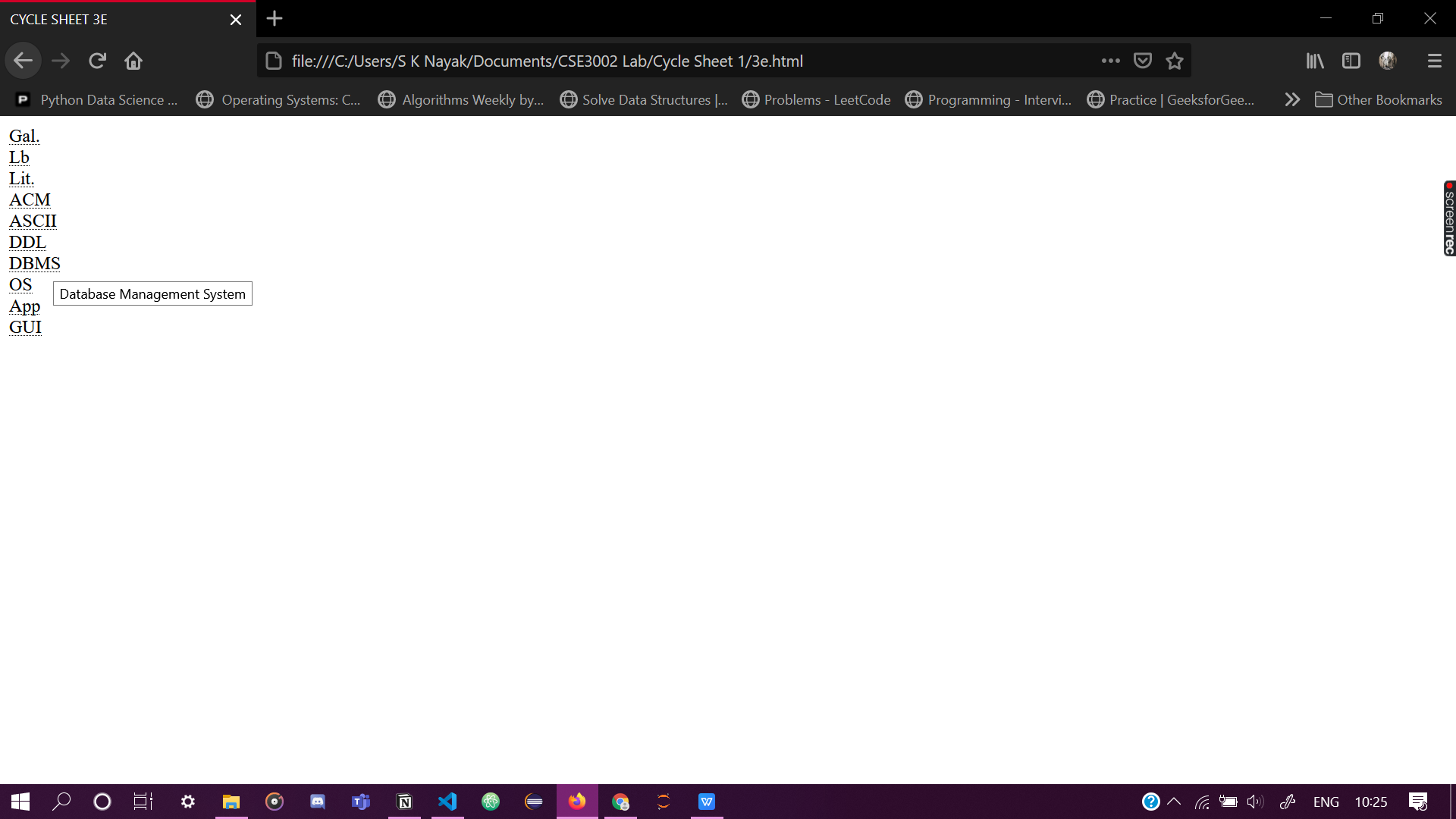
        <br>

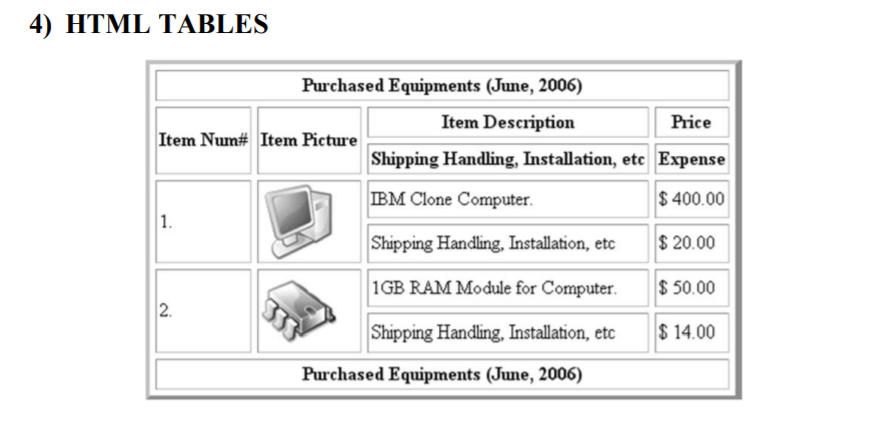
        <acronym title="Graphical User Interface">GUI</acronym>

    </body>

</html>

Output:





Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>HTML TABLES</title>

        <meta name="description" content="Create the table shown">

        <meta name="viewport" content="width=device-width, initial-scale=1">

        <!--style>

            table {

                padding: 5px;

            }

        </style-->

    </head>

    <body>

        <table border="true">

            <tr>

                <th colspan="5">Purchased Equipments (June, 2006)</th>

            </tr>

            <tr>

                <th rowspan="2">Item Num#</th>

                <th rowspan="2">Item Picture</th>

                <th colspan="2">Item Description</th>

                <th>Price</th>

            </tr>

            <tr>

                <th colspan="2">Shipping Handling, Installation, etc</th>

                <th>Expense</th>

            </tr>

            <tr>

                <td rowspan="2">1.</td>

                <td rowspan="2"><img src="data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAAkGBxMTEhUTEhIVFhUXFxcWFhgWFxgYFxcYFRUWFhYWFRUdHSggGBolHRcVITEhJSkrLi4uFx8zODMtNygtLisBCgoKDg0OFxAQGisdHR0rLS0tLSstLS0tLS0tLS0tLS03LS0tKysrLS0rLS0tLi0rLTIrLS0tNystLS0tKy0rLf/AABEIAMIBAwMBIgACEQEDEQH/xAAcAAABBAMBAAAAAAAAAAAAAAAABAUGBwECAwj/xABIEAACAQIDBAYGBA0DAwUBAAABAgADEQQSIQUxQVEGEyJhcZEHMoGhsfAjUsHRFDNCYnJzgpKissLh8QgkNHSz0kNEU2ODFf/EABoBAQEBAQEBAQAAAAAAAAAAAAABAgMEBQb/"

                    alt="Computer-Image" height="120px" width="140px">

                </td>

                <td colspan="2">IBM Clone Computer.</td>

                <td>$400.00</td>

            </tr>

            <tr>

                <td colspan="2">Shipping Handling, Installation, etc</td>

                <td>$20.00</td>

            </tr>

            <tr>

                <td rowspan="2">2.</td>

                <td rowspan="2"><img src="data:image/jpeg;base64,"

                    alt="RAM-Module-Image" height="120px" width="140px">

                </td>

                <td colspan="2">!GB RAM Module for Computer.</td>

                <td>$50.00</td>

            </tr>

            <tr>

                <td colspan="2">Shipping Handling, Installation, etc</td>

                <td>$14.00</td>

            </tr>

            <tr>

                <th colspan="5">Purchased Equipments (June, 2006)</th>

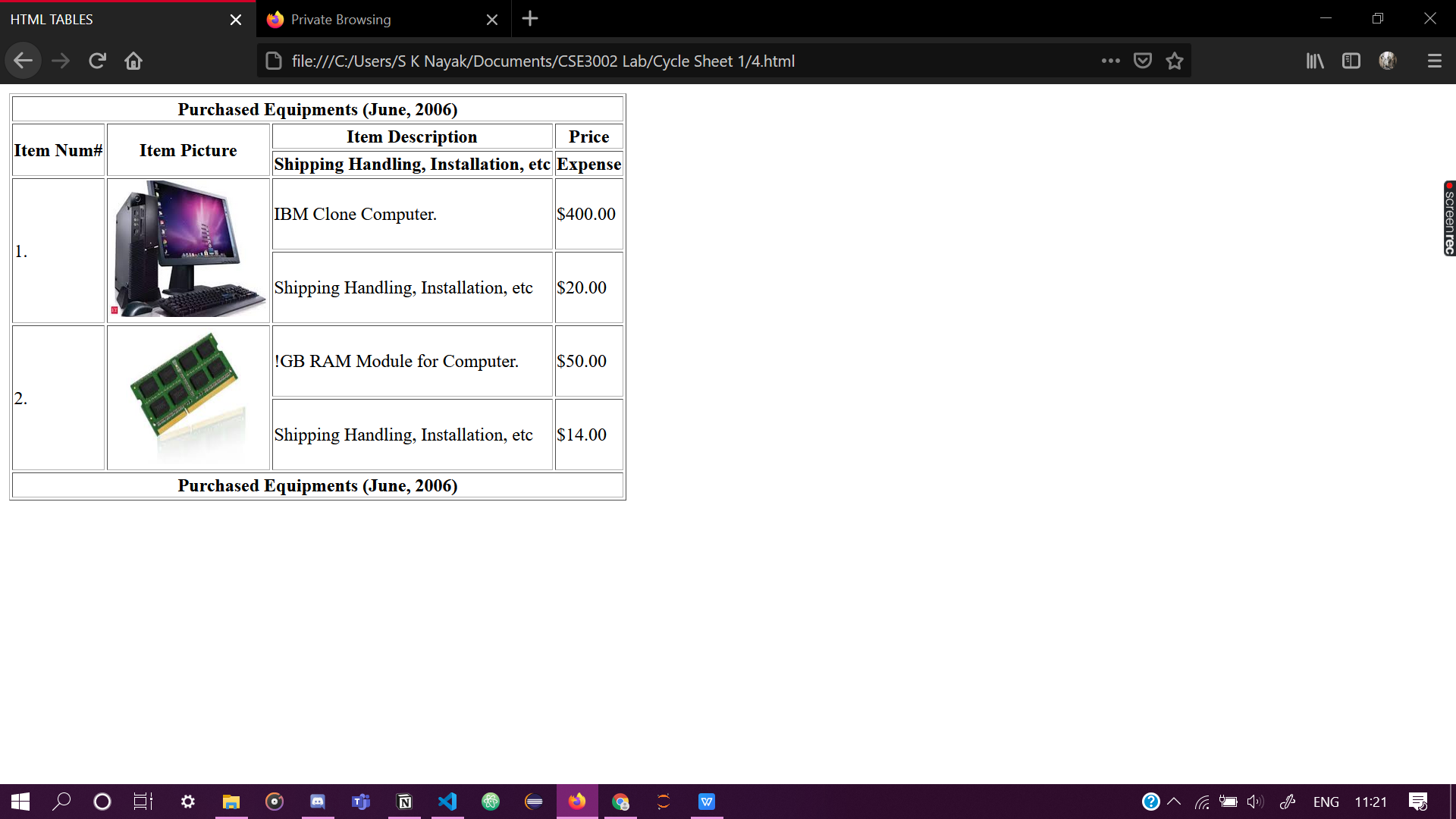
            </tr>

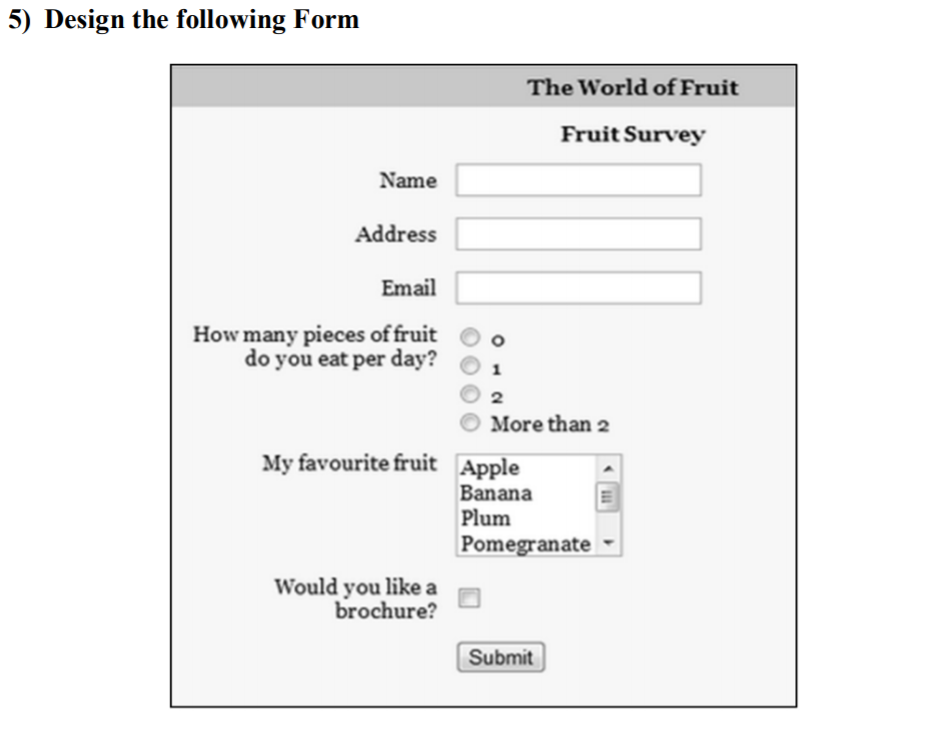
        </table>

    </body>

</html>

Output:





Code:

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <meta http-equiv="X-UA-Compatible" content="IE=edge">

        <title>HTML FORMS</title>

        <meta name="description" content="Design the following form">

        <meta name="viewport" content="width=device-width, initial-scale=1">

        <style>

            .label {

                text-align: end;

                vertical-align: super;

            }

        </style>

    </head>

    <body style="margin: 0 0 0 0; background-color: #DCDCDC;">

        <h1 style="background-color: #A9A9A9; text-align: center;

        margin: 0 0 0 0; padding: 5px 5px">

            The World of Fruit

        </h1>

        <h1 style="text-align: center; margin-top: 8px;">Fruit survey</h1>

        <div style="align-items: center; margin: auto; width: 50%;">

            <form action="#">

                <table align="center" width="370px" cellspacing="15">

                    <tr class="form-row">

                        <td class="label"><label for="name">Name </label></td>

                        <td><input type="text" id="name" name="name"></td>

                    </tr>

                    <tr class="form-row">

                        <td class="label"><label for="address">Address</label></td>

                        <td><input type="text" id="address" name="address"></td>

                    </tr>

                    <tr class="form-row">

                        <td class="label"><label for="emailp">Email</label></td>

                        <td><input type="email" name="emailp" id="emailp"></td>

                    </tr>

                    <tr class="form-row">

                        <td class="label"><label for="pieces-of-fruit">How many pieces of fruit do you eat per day?</label></td>

                        <td>

                            <input type="radio" name="pieces-of-fruit" id="0">0 <br>

                            <input type="radio" name="pieces-of-fruit" id="1">1 <br>

                            <input type="radio" name="pieces-of-fruit" id="2">2 <br>

                            <input type="radio" name="pieces-of-fruit" id="+">More than 2

                        </td>

                    </tr>

                    <tr class="form-row">

                        <td class="label"><label for="fav-fruit">My favourite fruit</label></td>

                        <td>

                            <select name="fav-fruit" id="fav-fruit" multiple size="4">

                                <option value="Apple">Apple</option>

                                <option value="Banana">Banana</option>

                                <option value="Plum">Plum</option>

                                <option value="Pomegranate">Pomegranate</option>

                                <option value="Mango">Mango</option>

                                <option value="Watermelon">Watermelon</option>

                                <option value="Strawberry">Strawberry</option>

                            </select>

                        </td>

                    </tr>

                    <tr class="form-row">

                        <td class="label"><label for="brocure">Would you like a brochure?</label></td>

                        <td><input type="checkbox" name="brocure" id="brocure"></td>

                    </tr>

                    <tr class="form-row">

                        <td class="label"></td>

                        <td><input type="submit" value="Submit"></td>

                    </tr>

                </table>

            </form>

        </div>

    </body>

</html>

Output:

