

Expt No.: 1
Date: 12/02/2021

Name: Swaranjana Nayak
Reg. No.: 19BCE0977

CYCLE SHEET 1

Aim:

To solve the given problems using HTML and CSS.

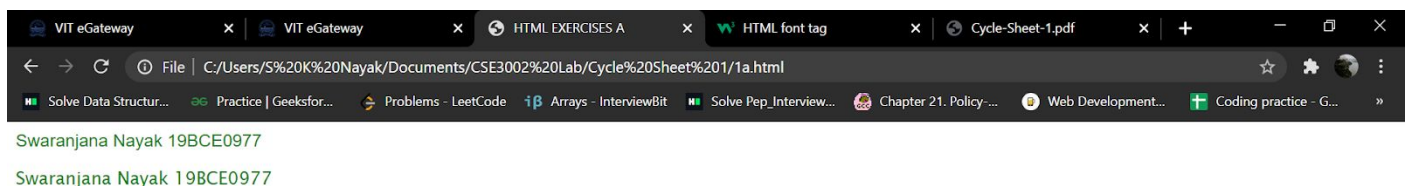
1. HTML EXERCISES

A. Print your name and Reg-No in green colour with a 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:

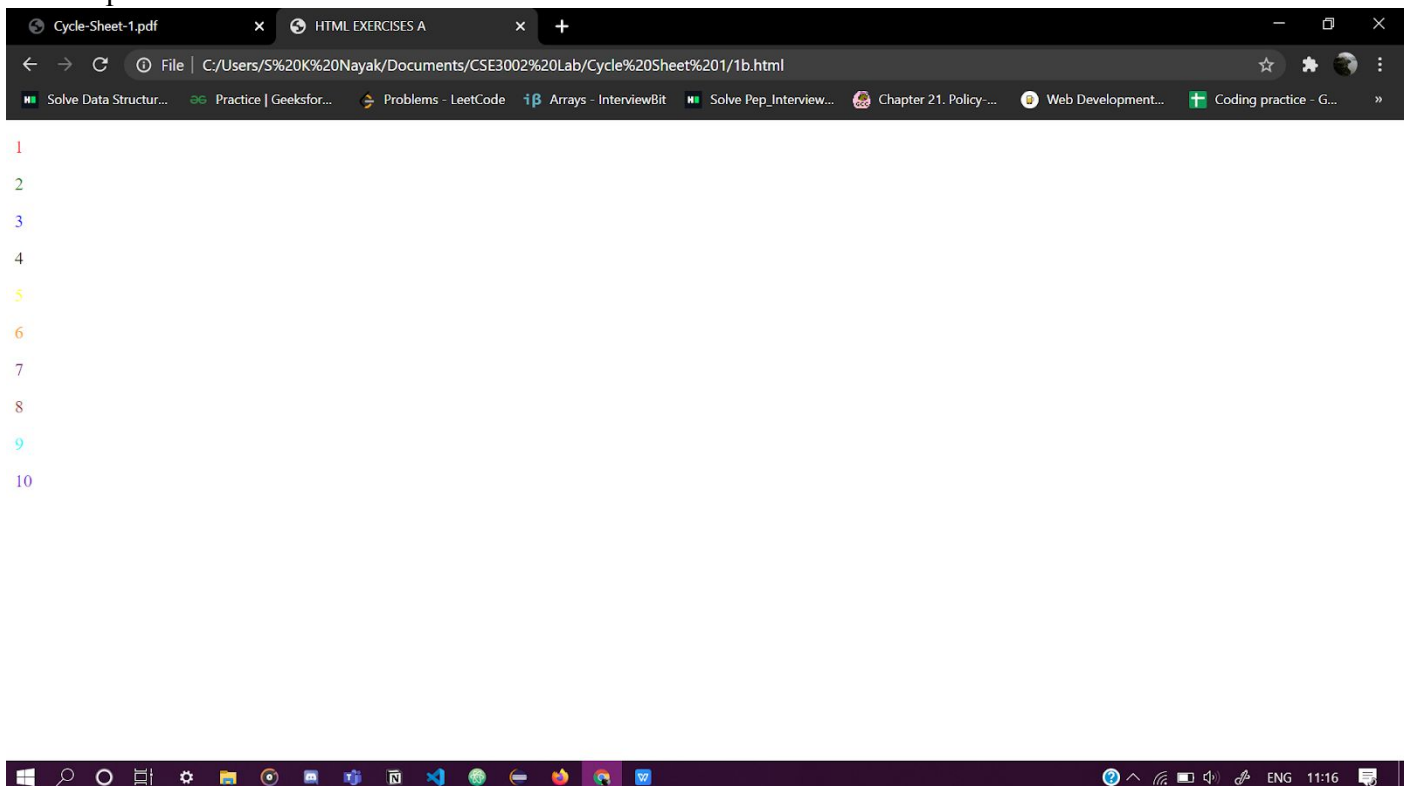


B. Print the numbers 1-10, each number being a different colour.

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:



C. 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>

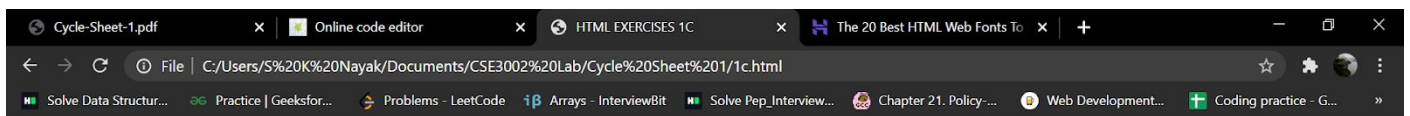
    <font face="Garamond">
      This is a cycle sheet for CSE3002 - Internet and Web Programming.
    </font>

    <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:



My name is Swaranjana Nayak. I am a Computer Science somphomore at Vellore Institute of Technology. This is a cycle sheet for CSE3002 - Internet and Web Programming. Font tag is deprecated, should use span tag with classes instead. But this paragraph is written with font tag.

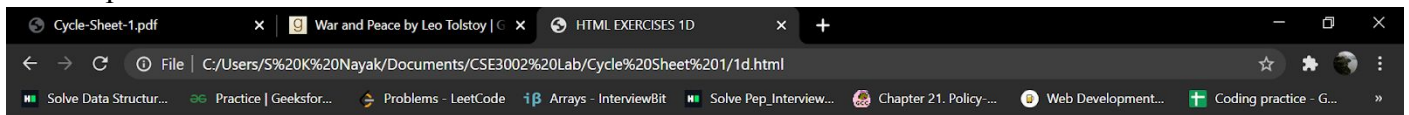


D. Print a paragraph that is a description of a book; include the title of the book as well as its author. Names and titles should be underlined, adjectives should be italicized and bolded.

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 ma
nkind.
      <strong><em>Greater</em></strong> than a historical chronicle, War and Peace i
s 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:



War and Peace

Leo Tolstoy

In Russia's struggle with Napoleon, Tolstoy saw a tragedy that involved all mankind. **Greater** than a historical chronicle, War and Peace is an affirmation of life itself, 'a **complete** picture', as a contemporary reviewer put it, 'of everything in which people find their happiness and greatness, their grief and humiliation'.

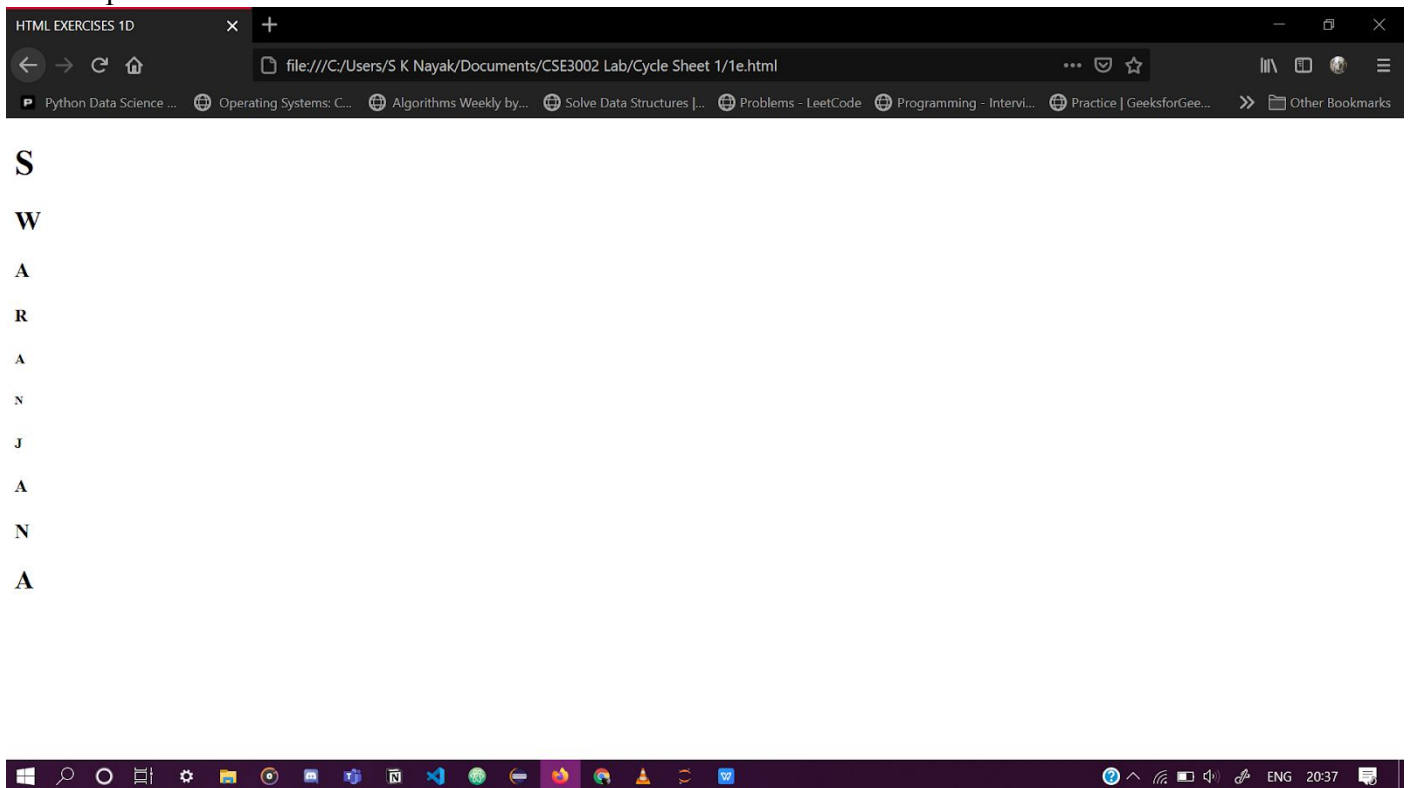


E. Print your name to the screen with every letter being a different heading size.

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:



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

Code:

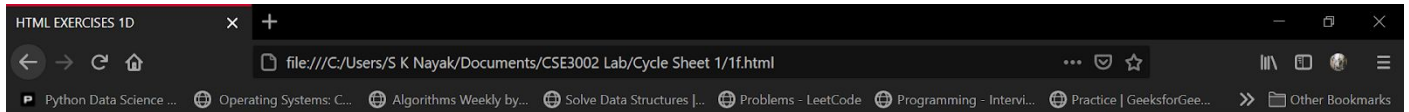
```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```

<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:



HELLO, WORLD



G. 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:

```

# 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];
    }

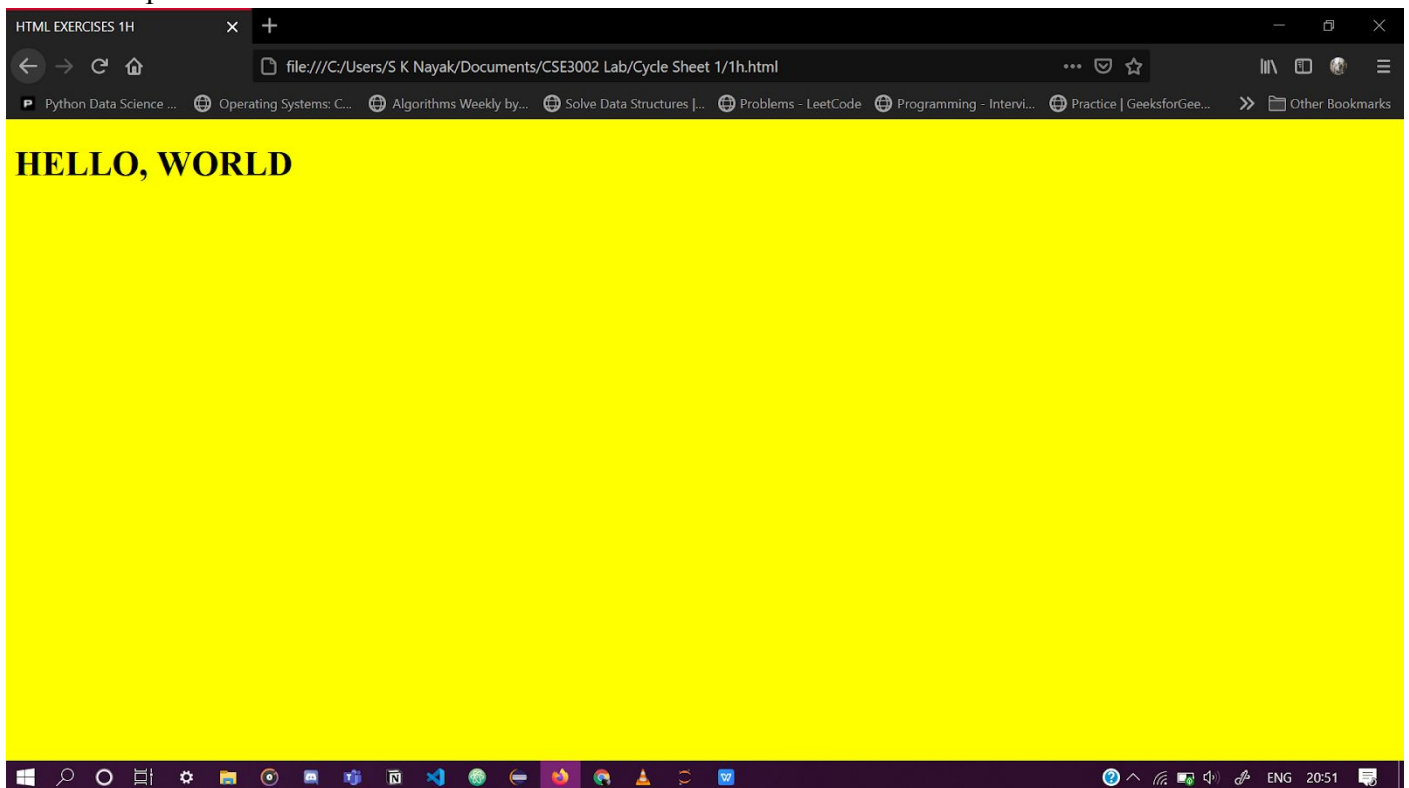
```

H. 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:



I. Apply marquee for your name.

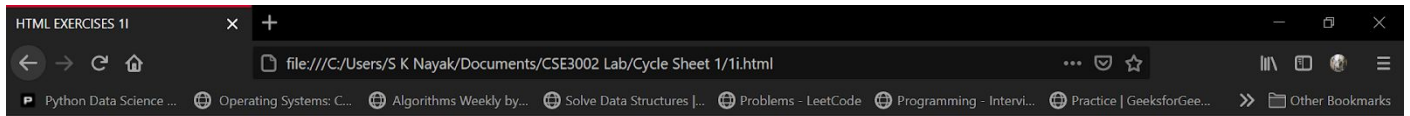
Code:

```
<!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:



Swaranjana Nayak



2. aboutme.html

2) Create a page aboutme.html that describes you. Include information such as:

- Your name in the top of the page in large text and your address in smaller text
- A description of you in <= 2 sentences. Emphasize important word(s) in bold.
- A list of classes you are taking right now with a simple description of each with interesting subjects in marvellous colours.
- Your 3 favourite movies, books, or TV shows, in order. Make at least one link to an interesting site about that TV show/movie/book.
- Two images that represent you when you're happy and sad.
- Something about one of your neighbours (people sitting next to you, make it interesting as well.)
- Describe your skill level in programming languages using definition list.

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 contemporary <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>
    </ul>
  </body>
</html>
```



```
</dl>      <dd>I am a beginner in this language
</body>
</html>
```

Output:

Swaranjana

file:///C:/Users/S K Nayak/Documents/CSE3002 Lab/Cycle Sheet 1/aboutme.html

Python Data Science ... Operating Systems: C... Algorithms Weekly by... Solve Data Structures |... Problems - LeetCode Programming - Interv... Practice | GeeksforGee... Other Bookmarks

Swaranjana Nayak

Prabhat Road, Pune, Maharashtra

I am a *Computer Science and Engineering* sophomore at *Vellore Institute of Technology*, Vellore. I love classic and contemporary *literature*, music, and TV shows.


Classes I am taking this semester:-

- Network and Communication: *All about how the world is connected*
- Java Programming: *About the language Java*
- Software Engineering: *About how software is developed in the industry*
- Internet and Web Programming: *About creating websites and how the web works*
- Data Visualization: *About analysing given data by visualizing it*
- Lean Startup Management: *About what lean startups are and how they work*
- Aptitude Course: *Advanced reasoning course*

My favourite books:-

1. [War and Peace](#) by Leo Tolstoy
2. [Stoner](#) by John Williams
3. [Girl With a Pearl Earring](#) by Tracy Chevalier

Happy :)




Swaranjana

file:///C:/Users/S K Nayak/Documents/CSE3002 Lab/Cycle Sheet 1/aboutme.html

Python Data Science ... Operating Systems: C... Algorithms Weekly by... Solve Data Structures |... Problems - LeetCode Programming - Interv... Practice | GeeksforGee... Other Bookmarks

Sad :(



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

Skill Level in Programming Languages

C++
I am Proficient in this language

C
I am Proficient in this language

SQL
I am Proficient in this language

Python
I am at intermediate level at this language

MATLAB
I am at intermediate level at this language


Java
I am a beginner in this language

Swaranjana

file:///C:/Users/S K Nayak/Documents/CSE3002 Lab/Cycle Sheet 1/aboutme.html

Python Data Science ... Operating Systems: C... Algorithms Weekly by... Solve Data Structures |... Problems - LeetCode Programming - Interv... Practice | GeeksforGee... Other Bookmarks

Sad :(



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

Skill Level in Programming Languages

C++
I am Proficient in this language

C
I am Proficient in this language

SQL
I am Proficient in this language

Python
I am at intermediate level at this language

MATLAB
I am at intermediate level at this language

Java
I am a beginner in this language

3. HTML TEXT FORMATTING, LIST EXERCISES

A. 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>

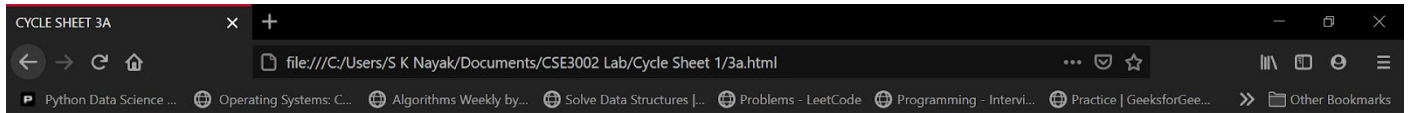
    Jahnnavi <sub>2</sub>
    <br>
    Raj <sub>5</sub>
    <br>
    Arun <sub>1</sub>
    <br>
    Seema <sub>6</sub>
    <br>
    Lokesh <sub>3</sub>
    <br>
    Utkarsha <sub>7</sub>
    <br>
    Mrunmayi <sub>4</sub>

    <h1>Alphabetized List</h1>

    Arun
    <br>
    Jahnnavi
    <br>
    Lokesh
    <br>
    Mrunmayi
    <br>
    Raj
    <br>
    Seema
    <br>
    Utkarsha

  </body>
</html>
```

Output:



Unalphabetized, subscripted list

Jahnvi ₂
Raj ₅
Arun ₁
Seema ₆
Lokesh ₃
Utkarsha ₇
Mrunmayi ₄

Alphabetized List

Arun
Jahnvi
Lokesh
Mrunmayi
Raj
Seema
Utkarsha



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

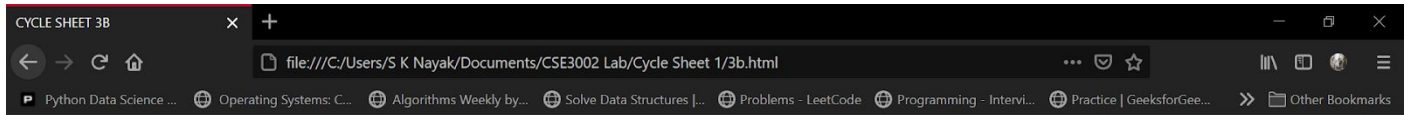
Code:

```
<!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:



Most popular iOS apps in India

1. WhatsApp Messenger
2. YouTube
3. Instagram
4. Facebook
5. Google Pay

List of famous War and Peace characters

- Prince Andrew Bolkonsky
- Natasha Rostova
- Pierre Bezukhov
- Napoleon Buonaparte

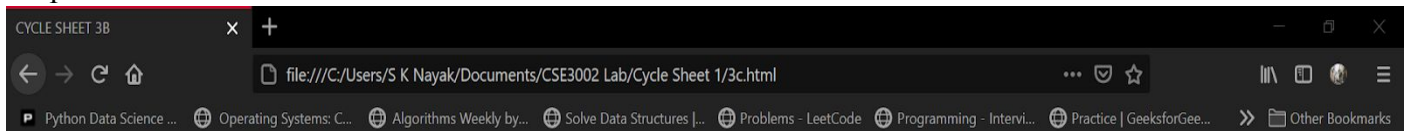


C. Print a list which starts with 7 with the type 'i'.

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:



Most popular iOS apps in India

- vii. Google Chrome
- viii. PhonePe
- ix. Snapchat
- x. Amazon
- xi. Google Maps
- xii. Telegram Messenger



D. 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:

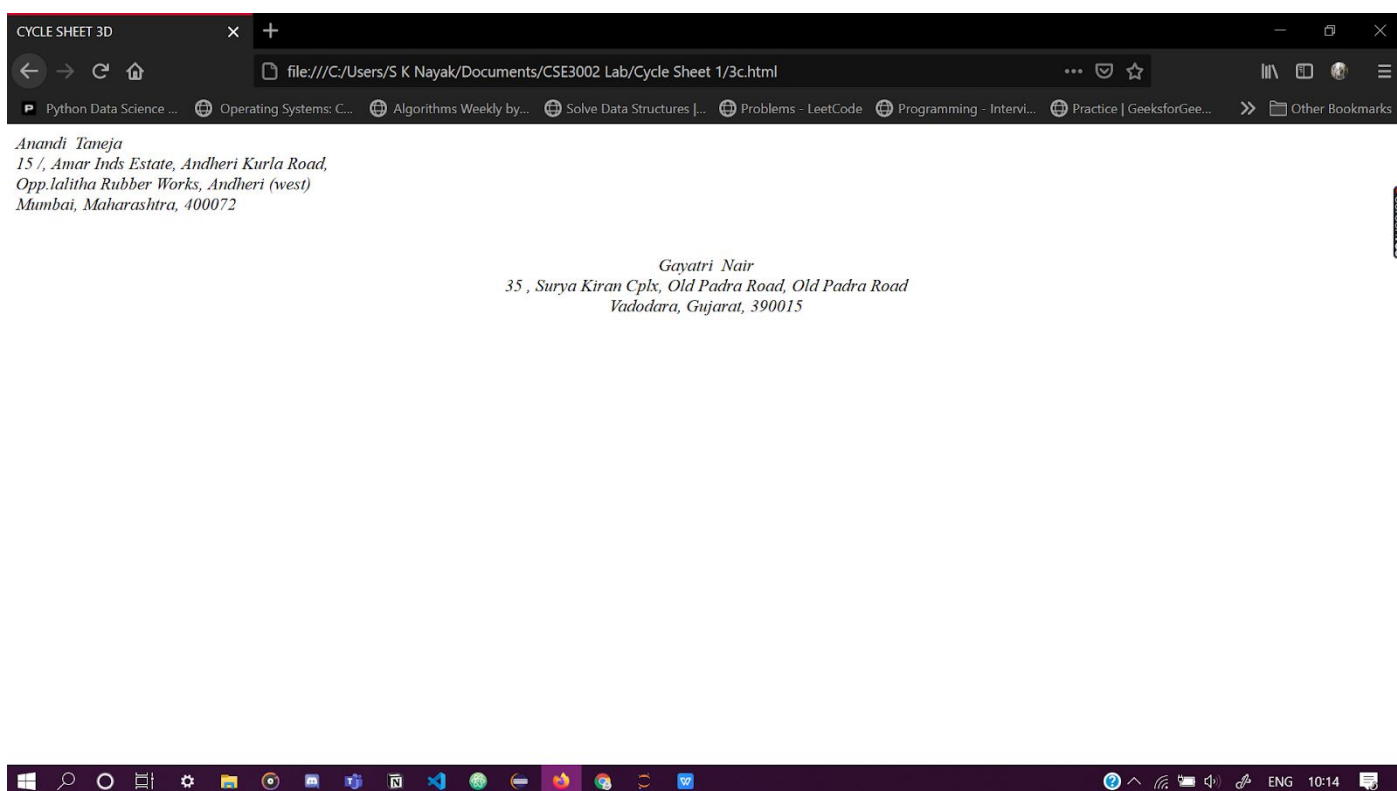
```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>CYCLE SHEET 3D</title>
    <meta name="description" content="Addresses on letter">
    <meta name="viewport" content="width=device-width, initial-scale=1">
  </head>
  <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:



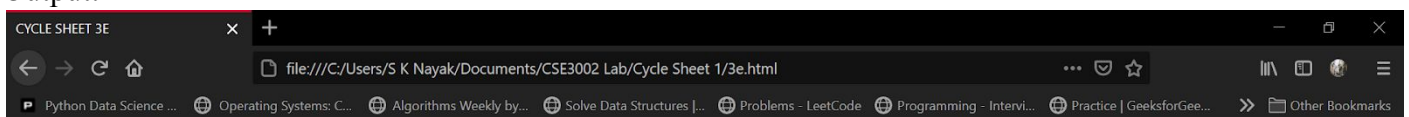
E. Print ten acronyms and abbreviations of your choosing, each separated by two lines. Specify the data that the abbreviations and acronyms represent.

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 Abbreviations">
    <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:



Gal.
Lb
Lit.
ACM
ASCII
DDL
DBMS
OS
App
GUI

SCHEMATIC

4) HTML TABLES

Purchased Equipments (June, 2006)			
Item Num#	Item Picture	Item Description	Price
		Shipping Handling, Installation, etc	Expense
1.		IBM Clone Computer.	\$ 400.00
		Shipping Handling, Installation, etc	\$ 20.00
2.		1GB RAM Module for Computer.	\$ 50.00
		Shipping Handling, Installation, etc	\$ 14.00
Purchased Equipments (June, 2006)			

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">
        </td>
        <td colspan="2">IBM Clone Computer.</td>
        <td>$400.00</td>
      </tr>
    </table>
  </body>
</html>
```

```

<tr>
  <td colspan="2">Shipping Handling, Installation, etc</td>
  <td>$20.00</td>
</tr>

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

Purchased Equipments (June, 2006)			
Item Num#	Item Picture	Item Description	Price
		Shipping Handling, Installation, etc	Expense
1.		IBM Clone Computer.	\$400.00
		Shipping Handling, Installation, etc	\$20.00
2.		!GB RAM Module for Computer.	\$50.00
		Shipping Handling, Installation, etc	\$14.00
Purchased Equipments (June, 2006)			

5) Design the following Form

The World of Fruit

Fruit Survey

Name

Address

Email

How many pieces of fruit do you eat per day?

☐ 0

☐ 1

☐ 2

☐ More than 2

My favourite fruit

Apple

Banana

Plum

Pomegranate

Would you like a brochure?

☐

Submit

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?</la
bel></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="brochure">Would you like a brochure?</label></td>
        <td><input type="checkbox" name="brochure" id="brochure"></td>
    </tr>

    <tr class="form-row">
        <td class="label"></td>
        <td><input type="submit" value="Submit"></td>
    </tr>
</table>

</form>
</div>
</body>
</html>

```

Output:

The screenshot shows a web browser window with the title 'HTML FORMS' and the address bar displaying 'file:///C:/Users/S K Nayak/Documents/CSE3002 Lab/Cycle Sheet 1/5.html'. The main content of the page is a survey titled 'The World of Fruit' with the subtitle 'Fruit survey'. The survey form contains the following elements:

- Name:** A text input field.
- Address:** A text input field.
- Email:** A text input field.
- How many pieces of fruit do you eat per day?:** A group of radio buttons with options: 0, 1, 2, and More than 2. The 'More than 2' option is selected.
- My favourite fruit:** A dropdown menu with options: Apple, Banana, Plum, and Pomegranate. 'Apple' is selected.
- Would you like a brochure?:** A checkbox, which is currently unchecked.
- Submit:** A button labeled 'Submit'.

The Windows taskbar at the bottom shows various application icons and the system clock indicating 12:52 on ENG.

6) Create a stylesheet named “*styleme.css*” to improve the appearance of your “**About Me**” page (Q.No:2).

- a. Change the colour of at least two elements
- b. Change the font properties (family, size, weight, or style) of at least two elements. Some standard fonts: Arial, Arial Black, Verdana, Trebuchet MS, Georgia, Tahoma, Courier New, Times New Roman
- c. Change the background color, text alignment and borders.

Code:

(aboutme.css)

```
body {
    background-color: #f8e7b7;
}

dl {
    font-family: 'Courier New', Courier, monospace;
    font-weight: 700;
    font-size: larger;
    font-style: italic;
}

h1 {
    text-align: center;
}

h3 {
    font-family: Trebuchet MS;
}

h4 {
    text-align: center;
    color: #b68973;
}

lh {
    color: red;
}

.AboutMe {
    text-align: center;
}

.Neighbor {
    font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;
}
```

```

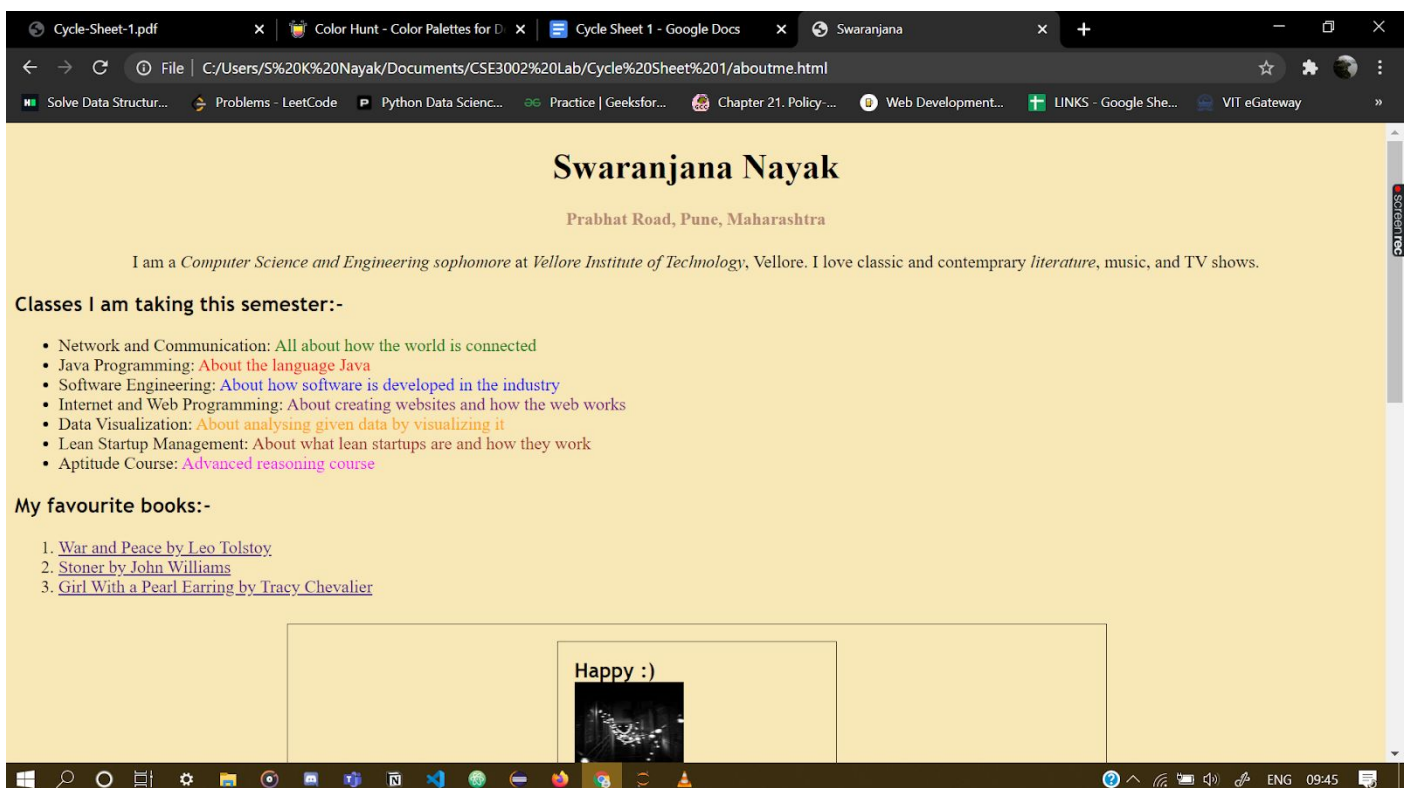
.Image {
  align-self: center;
  align-content: center;
  align-items: center;
  border: 1px solid black;
  margin: 2% auto;
  padding: 2%;
  width: 30%;
}

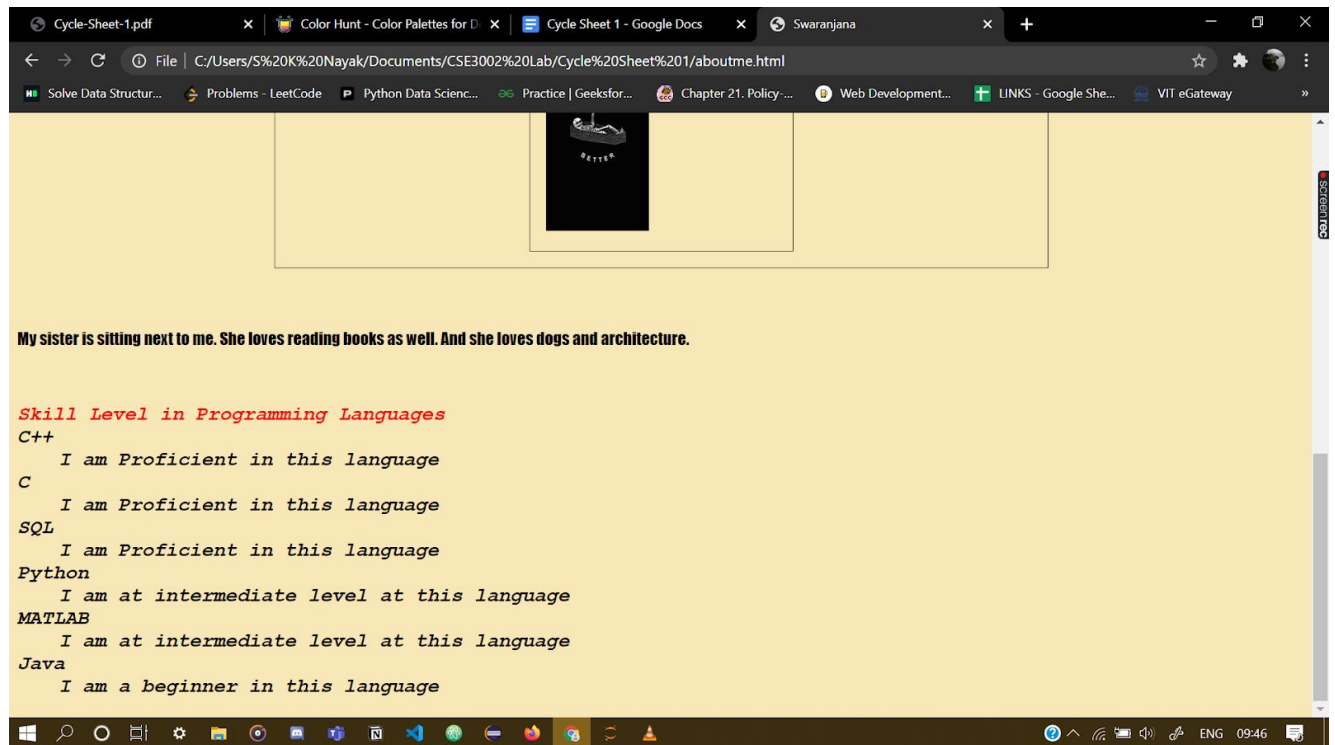
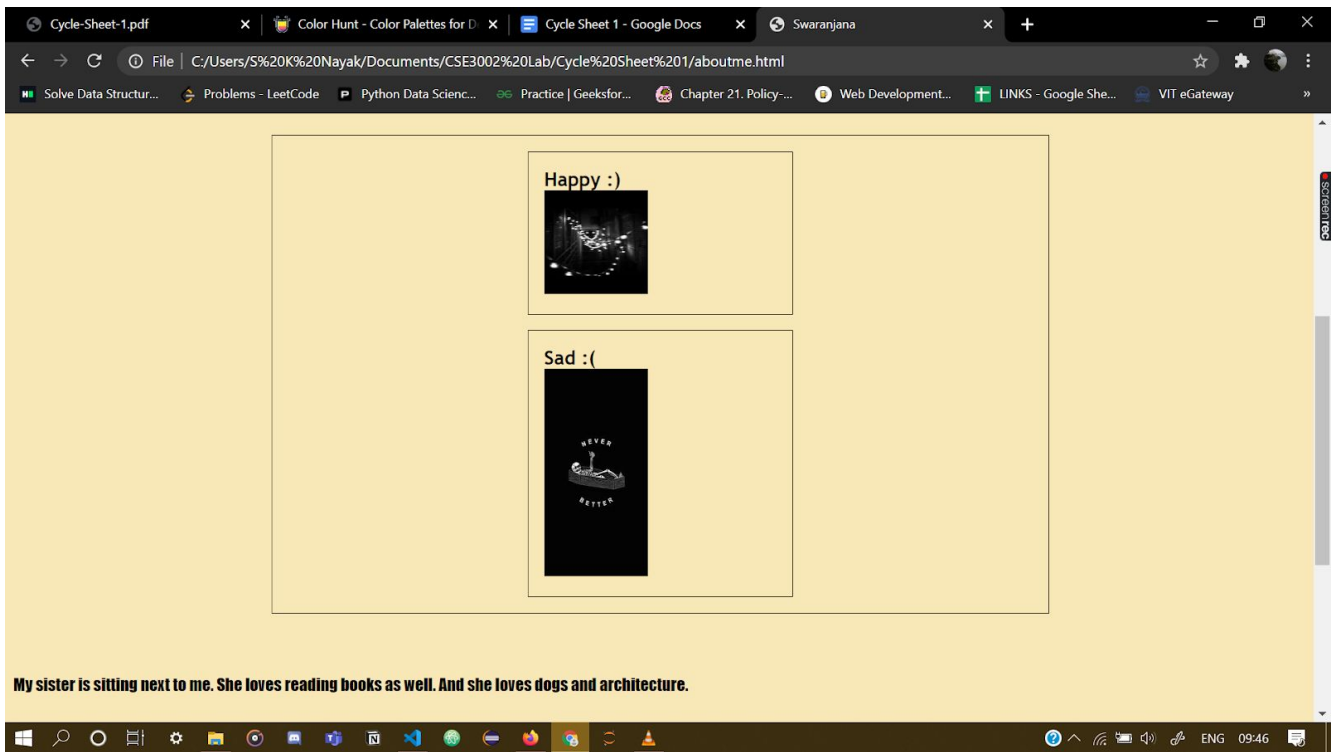
.Image-Content {
  align-self: center;
  margin: auto;
}

.Images {
  align-self: center;
  align-items: center;
  border: 1px solid black;
  margin: 2% 20%;
  width: 60%;
}

```

Output:





7) Write the CSS code necessary to recreate the following appearance on-screen, exactly as shown.

- The menu items (*Summary to Trailers and Videos*) are white text on a black background. There is 20px space between the words and the right and left sides of their black boxes. There is 3px of blank space to the right of each.
- The score information should be 50% wide.
- The movie rating has a green background and white text. The number is in 30pt font. There is 20px space between the number and the edges of the green background. There is 5px blank space around the green background.
- The background color of the page is gray but the background color of the area containing everything is white. The white area is 80% wide and centered. There is 20px of space between the edge of the white background and everything inside it.

WALL-E

Walt Disney Studios Motion Pictures | Release date: Jun 27, 2008

Summary

Critic Reviews

User Reviews

Details and Credits

Trailers and Videos



Metascore

Universal acclaim
based on 39 Critics

- Starring: Ben Burtt, Elissa Knight, Jeff Garlin
- Summary: After hundreds of lonely years of doing what he was built for, Wall-E discovers a new purpose in life when he meets a sleek search robot named EVE. [Walt Disney Pictures]

Code:

movie.html

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>WALL-E</title>
    <meta name="description" content="Walt Disney Movie review">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="movie.css">
  </head>
  <body>
    <div class="Movie-Info">
      <h1>WALL-E</h1>
      <br>

      <p>Walt Disney Studios Motion Pictures | Release date: Jun 27, 2008</p>
      <br>

      <p>
        <span class="Menu-Items">Summary</span><span class="Menu-Items">Critic Reviews</span><span
class="Menu-Items">User Reviews</span><span class="Menu-Items">Details and Credits</span><span
class="Menu-Items">Trailers and Videos</span>
      </p>
    </div>
  </body>
</html>
```

```

        <div class="Container">
            <div class="Poster">
                
            </div>

            <div class="Rating">
                94
            </div>

            <div class="Information">
                <h2>Metascore</h2>
                <br>
                <p>Universal acclaim<br>
                based on 39 Critics</p>

                <ul>
                    <li>Starring: Ben Burtt, Elissa Knight, Jeff Garlin</li>
                    <li>Summary: After hundreds of lonely years of doing what he was built for,
                        Wall-E discovers a new purpose in life when he meets a sleek search robot named EVE.
                        [Walt Disney Pictures]</li>
                </ul>

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

```

movie.css

```

body {
    background-color: gray;
    align-content: center;
}

h1 {
    text-align: center;
}

.Container {
    width: auto;
    vertical-align: top;
}

.Menu-Items {
    background-color: black;
    color: white;
    margin-right: 3px;
    padding: 2px 10px;
}

.Movie-Info {
    background-color: white;
}

```

```

margin: auto;
padding: 20px;
width: 80%;
position: absolute;
left: 50%;
top: 50%;
transform: translate(-50%, -50%);
}

.Information {
display: inline-block;
width: 40%;
}

.Poster {
display: inline-block;
vertical-align: top;
}

.Rating {
color: white;
background-color: green;
display: inline-block;
font-size: 30pt;
margin: 5px;
padding: 20px;
vertical-align: top;
}


```

Output:

WALL-E

Walt Disney Studios Motion Pictures | Release date: Jun 27, 2008

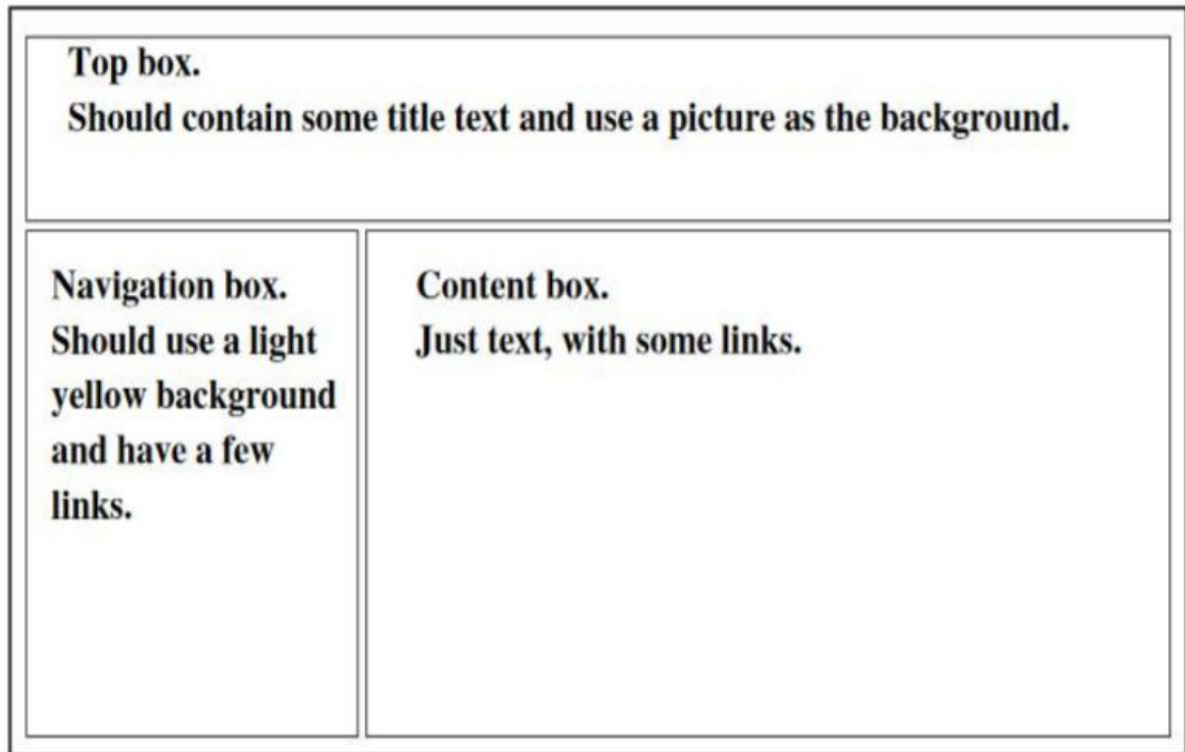
Summary Critic Reviews User Reviews Details and Credits Trailers and Videos

 **94** Metascore

Universal acclaim
based on 39 Critics

- Starring: Ben Burtt, Elissa Knight, Jeff Garlin
- Summary: After hundreds of lonely years of doing what he was built for, Wall-E discovers a new purpose in life when he meets a sleek search robot named EVE. [Walt Disney Pictures]

- 8) Design a presentation style for your Web pages using an external CSS file. Use a presentation style with three boxes as suggested in below Figure. Use <div> tags with different classes to implement the boxes.
- Modify the Web pages to use this presentation style and verify that it works.
- Change the style so that links gets enhanced (bold, color and/or background) when the mouse pointer hovers above it.



Code:
presentation.html

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>Presentation</title>
    <meta name="description" content="Presentation Style for web pages">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="presentation.css">
  </head>
  <body>
    <div class="Presentation">
      <div class="Top-Box">
        <h1>Java OOP Concepts</h1>
      </div>
      <div class="Container">
        <div class="Nav-Box">
          <h3>Navigation Box</h3>
```

```

<a class="Nav-Links"
href="https://beginnersbook.com/2013/04/oops-concepts/">Page 1</a> <br>
<a class="Nav-Links"
href="https://beginnersbook.com/2013/03/constructors-in-java/">Page 2</a> <br>
<a class="Nav-Links"
href="https://beginnersbook.com/2013/04/java-static-class-block-methods-variables/">Page
3</a> <br>
<a class="Nav-Links"
href="https://beginnersbook.com/2013/03/inheritance-in-java/">Page 4</a> <br>
<a class="Nav-Links"
href="https://beginnersbook.com/2013/05/java-inheritance-types/">Page 5</a> <br>
</div>
<div class="Content-box">
<h2>Java - Static Class, Block, Methods and Variables</h2>
<p>BY CHAITANYA SINGH | FILED UNDER: <a
href="https://beginnersbook.com/2013/04/oops-concepts/">OOPS CONCEPT</a></p>
Static keyword can be used with class, variable, method and block.
Static members belong to the class instead of a specific instance, this means if you make
a member static, you can access it without object. Let's take an example to understand
this:
<br>
Here we have a static method myMethod(), we can call this method
without any object because when we make a member static it becomes class level. If we
remove the static keyword and make it non-static then we must need to create an object of
the class in order to call it.
Static members are common for all the instances(objects) of the
class but non-static members are separate for each instance of class.
<pre>
class SimpleStaticExample
{
    // This is a static method
    static void myMethod(){
        System.out.println("myMethod");
    }

    public static void main(String[] args){
        myMethod();
    }
}
</pre>
Output: myMethod
</div>
</div>
</div>
</body>
</html>

```

presentation.css

```
body {
    margin: 0;
}

.Presentation {
    display: flex;
    flex-flow: column;
    height: 100%;
}

.Top-Box {
    border: 1px solid black;
    background-image: url('C:\\Users\\S K Nayak\\Pictures\\pink-sky.jpg');
    background-repeat: no-repeat;
    background-attachment: fixed;
    background-size: cover;
    flex: 0 1 auto;
    text-align: center;
    margin: 5px;
}

.Container {
    display: flex;
    flex-direction: row;
    flex: 1 1 auto;
    height: 100%;
    width: 100%;
}

.Nav-Box {
    border: 1px solid black;
    /* display: flexbox; */
    flex: 1;
    flex-basis: 30%;
    margin: 5px;
    padding: 3%;
    background-color: lightyellow;
}

.Nav-Links {
    display: inline-block;
    margin: 5px;
}
```

```

.Nav-Links:hover {
    background-color: chocolate;
    color: wheat;
}

.Content-box h2{
    margin-top: 0;
    margin-bottom: 2px;
}

.Content-box p {
    margin-top: 0;
}

.Content-box {
    border: 1px solid black;
    /* display: flexbox; */
    flex: 1;
    flex-basis: 70%;
    margin: 5px;
    padding: 2%;
}

```

Output:

The screenshot shows a web browser window with multiple tabs. The active tab is titled 'Java - Static Class, Block, Method...'. The browser's address bar shows the file path: 'C:/Users/S%20K%20Nayak/Documents/CSE3002%20Lab/Cycle%20Sheet%201/presentation.html'. The browser's taskbar at the bottom shows various open applications including VS Code, a presentation viewer, and several web browsers.

The presentation slide is titled 'Java OOP Concepts' in a large, bold, black font. Below the title, the slide is split into two main sections. The left section, titled 'Navigation Box', has a yellow background and contains five links: 'Page 1', 'Page 2', 'Page 3', 'Page 4', and 'Page 5'. 'Page 5' is highlighted with a red border. The right section, titled 'Java – Static Class, Block, Methods and Variables', has a white background. It includes the author 'BY CHAITANYA SINGH' and a link to 'OOPS CONCEPT'. The text explains that static keywords can be used with class, variable, method, and block, and that static members belong to the class rather than a specific instance. It provides an example of a static method 'myMethod()' and a 'main' method that calls it. The output of the code is shown as 'Output: myMethod'.

```

class SimpleStaticExample
{
    // This is a static method
    static void myMethod(){
        System.out.println("myMethod");
    }

    public static void main(String[] args){
        myMethod();
    }
}

```

Output: myMethod

The browser's address bar shows the URL: <https://beginnersbook.com/2013/05/java-inheritance-types/>. The browser's taskbar at the bottom shows various open applications including VS Code, a presentation viewer, and several web browsers.

9) Multimedia

Copy some multimedia files to your Web folder, at least one picture and one video.

- i. Add an image using canvas in one of your pages.
- ii. Add a video in one of your pages.

(Hint: Check out the tags '<video>', '<embed>', and '<object>' used in the page variably.)

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">
  </head>
  <body>
    <canvas id="myCanvas"></canvas>
    <script>
      myCanvasF();

      function myCanvasF() {
        var canvas = document.getElementById('myCanvas');
        var ctx = canvas.getContext('2d');
        img = new Image();
        img.src = './milky-way.jpg';
        img.onload = function() {
          canvas.height = img.height;
          canvas.width = img.width;
          ctx.drawImage(img, 0, 0);
        }
      }
    </script>

    <video src="Pexels-Videos.mp4" autoplay controls height="360"
width="480"></video>

    <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">
  </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">

  </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>

```

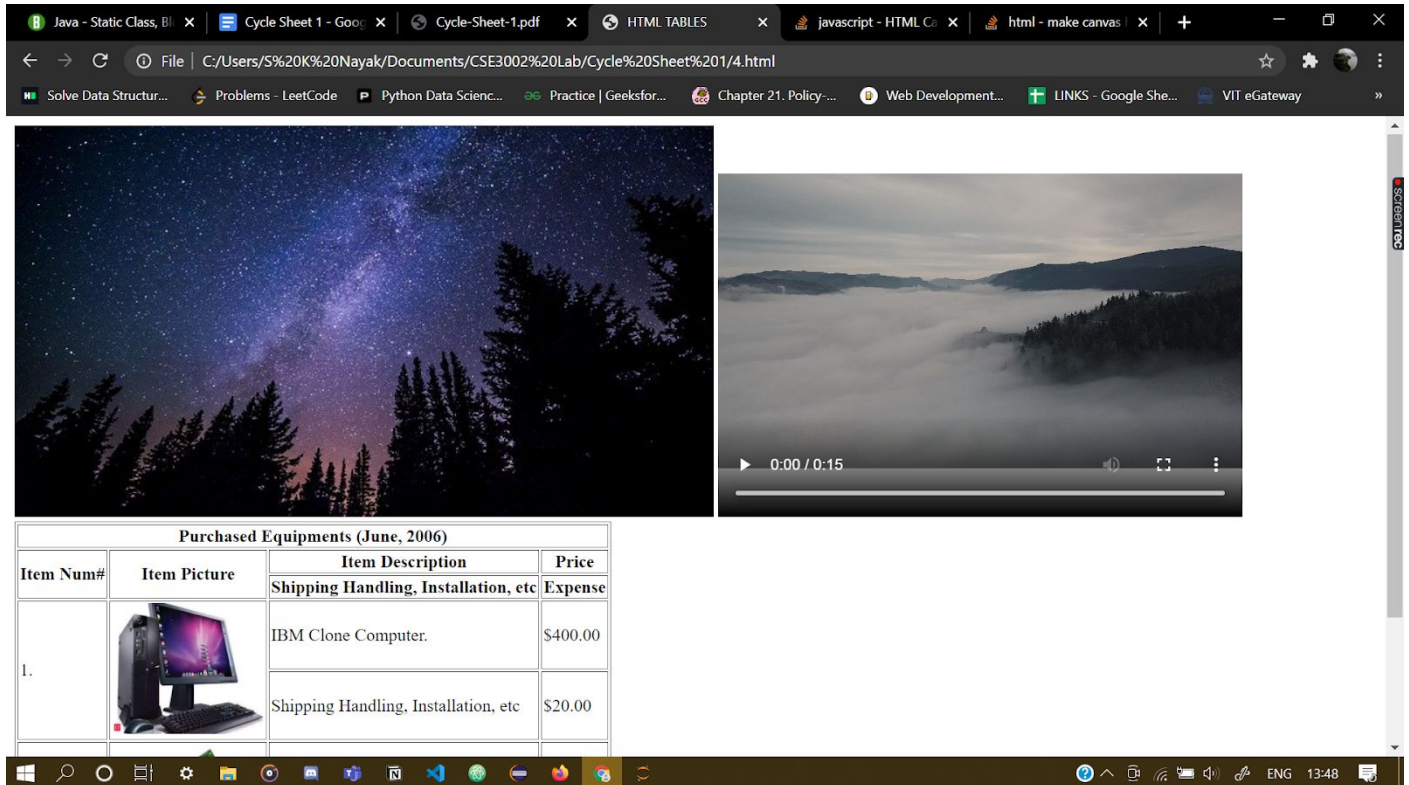
```

</table>

</body>
</html>

```

Output:



10) Write a program to demonstrate the concept of HTML Image mapping element.

- Add an image of the cricket playground.
- Use image mapping to give the details about the various fielding positions.(e.g. Gully, slip etc., - write description about it and your favourite fielders at that point)

Code:

cricket.html

```

<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>Cricket Playground</title>
    <meta name="description" content="cricket playground players usemap">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="cricket.css">
  </head>

```

```
<body>

    <div class="Container">
        <div class="ImageMap">
            
        </div>

        <div id="Info">
            <h1>Field Information</h1>
        </div>
    </div>

    <script>
        var d = document.getElementById("Info");

        function thirdMan(){
            d.innerHTML += '<h3>Third Man Position</h3>Favourite Player: Ravindra
Jadeja';
        }
        function fineLeg(){
            d.innerHTML += '<h3>Fine Leg Position</h3>Favourite Player: Suresh Raina';
        }
        function slip(){
            d.innerHTML += '<h3>Slip Position</h3>Favourite Player: Rahul Dravid';
        }
        function gully(){
            d.innerHTML += '<h3>Gully Position</h3>Favourite Player: Richie Benaud';
        }
        function wicketKeeper(){
            d.innerHTML += '<h3>Wicket Keeper Position</h3>Favourite Player: M S
Dhoni';
        }
        function squareLeg(){
            d.innerHTML += '<h3>Square Leg Position</h3>Favourite Player: Cheteshwar
Pujara';
        }
        function point(){
            d.innerHTML += '<h3>Point Position</h3>Favourite Player: Jonty Rhodes';
        }
        function cover(){
            d.innerHTML += '<h3>Cover Position</h3>Favourite Player: Ricky Ponting';
        }
        function bowler(){
            d.innerHTML += '<h3>Bowler Position</h3>Favourite Player: Trent Boult';
        }
        function midWicket(){
```

```

        d.innerHTML += '<h3>Mid Wicket Position</h3>Favourite Player: Ben Stokes';
    }
    function extraCover(){
        d.innerHTML += '<h3>Extra Cover Position</h3>Favourite Player: Jasprit
Bumrah';
    }
    function midOff(){
        d.innerHTML += '<h3>Mid Off Position</h3>Favourite Player: Hardik Pandya';
    }
    function midOn(){
        d.innerHTML += '<h3>Mid On Position</h3>Favourite Player: Shreyas Iyer';
    }
</script>
<map name="Cricket">
    <area shape="circle" coords="132,60,3" onclick="thirdMan()" alt="ThirdMan">
    <area shape="circle" coords="353,56,3" onclick="fineLeg()" alt="FineLeg">
    <area shape="circle" coords="200,92,3" onclick="slip()" alt="slip">
    <area shape="circle" coords="161,130,3" onclick="gully()" alt="Gully">
        <area shape="circle" coords="250,120,3" onclick="wicketKeeper()"
alt="WicketKeeper">
    <area shape="circle" coords="407,130,3" onclick="squareLeg()" alt="SquareLeg">
    <area shape="circle" coords="138,169,3" onclick="point()" alt="Point">
    <area shape="circle" coords="93,214,3" onclick="cover()" alt="Cover">
    <area shape="circle" coords="237,260,3" onclick="bowler()" alt="Bowler">
    <area shape="circle" coords="410,238,3" onclick="midWicket()" alt="MidWicket">
        <area shape="circle" coords="95,287,3" onclick="extraCover()"
alt="ExtraCover">
    <area shape="circle" coords="134,352,3" onclick="midOff()" alt="MidOff">
    <area shape="circle" coords="365,350,3" onclick="midOn()" alt="MidOn">
</map>
</body>
</html>

```

cricket.css

```

img {
    height: 500px;
    width: 500px;
    margin: 30px;
}

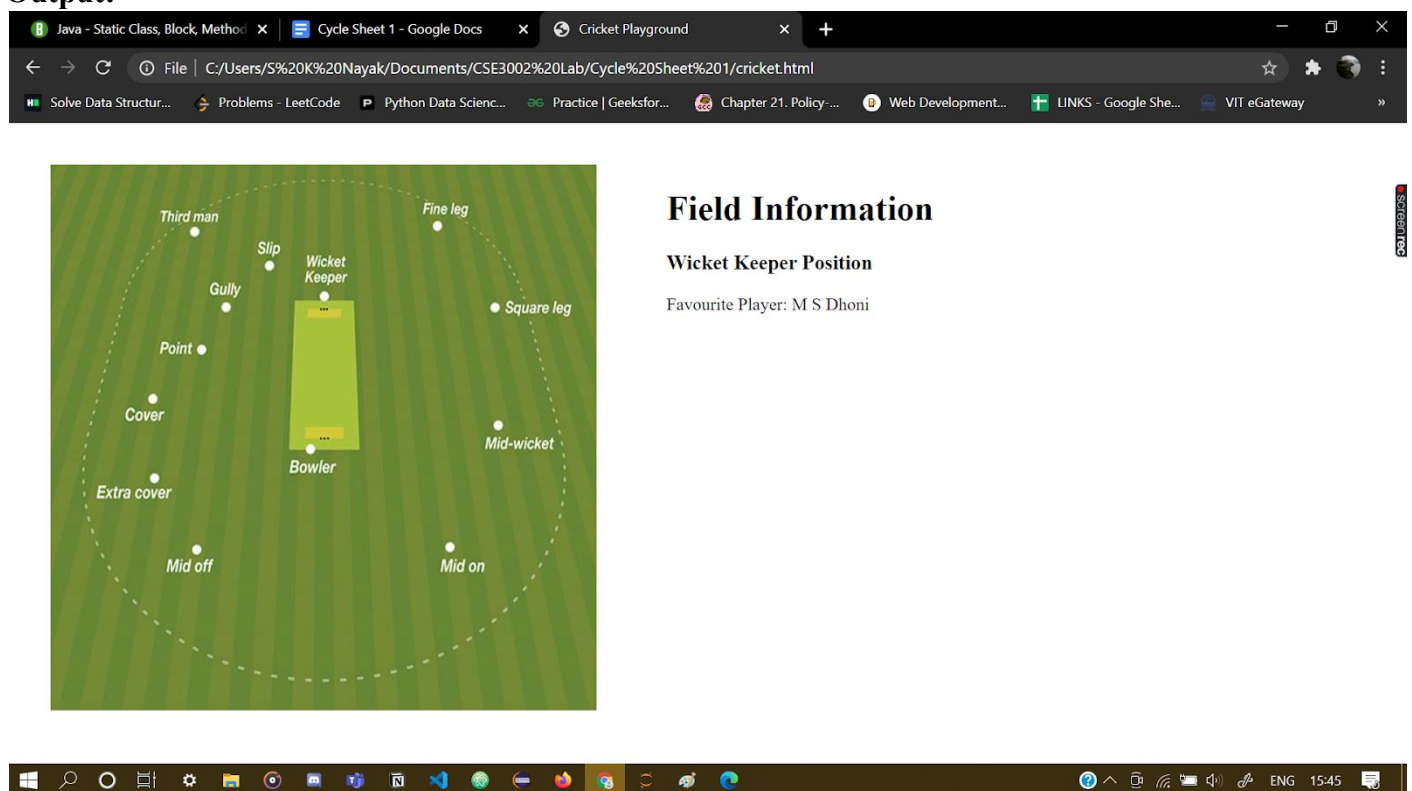
.Container {
    width: auto;
    height: auto;
    vertical-align: top;
}

```

```
#Info {
    display: inline-block;
    height: auto;
    width: auto;
    vertical-align: top;
    margin: 30px;
}

.ImageMap {
    display: inline-block;
    height: auto;
    width: auto;
    vertical-align: top;
}
```

Output:



The screenshot shows a web browser window with the following tabs: Java - Static Class, Block, Method; Cycle Sheet 1 - Google Docs; Cricket Playground; and a plus sign for more tabs. The address bar shows the file path: C:/Users/S%20K%20Nayak/Documents/CSE3002%20Lab/Cycle%20Sheet%201/cricket.html. The browser's taskbar at the bottom shows various application icons and the system clock indicating 15:45 on ENG.

The main content area displays a cricket field diagram on the left and a text box on the right. The diagram is a green oval representing the field, with various positions labeled: Third man, Slip, Wicket Keeper, Gully, Point, Cover, Extra cover, Mid off, Bowler, Mid on, Mid-wicket, Square leg, and Fine leg. The text box on the right is titled "Field Information" and contains the following text:

Field Information

Wicket Keeper Position

Favourite Player: M S Dhoni