Amrita School of Computing

List of Experiments

23CSE113 – USER INTERFACE DESIGN

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

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AMRITA SCHOOL OF COMPUTING

CHENNAI

Index

ExperimentNo	Title
1)	**<u>Basic HTML programs</u>**
1a)	To print a paragraph
1b)	Different headingsizes
1c)	Background colour
1d)	Bolding the text
1e)	HTML styles
1f)	Text alignment
1g)	HTML shortquotations
1h)	HTML addresselement
1i)	HTML cite element
1j)	HTML small text
2)	**<u>Basic HTML tags &Tables</u>**
2a)	To display a table
2b)	Add background colour and caption toa table
2c)	Add width to a table
2d)	Hyperlink image as alink

2e)	Link to an e-mailaddress	
2f)	Button as Link	
2g)	Link Titles	
3)	**HTML forms and video elements**	
3a)	<form> element	
3b)	<input> element andText fields	
3c)	Radio buttons	
3d)	Checkboxes	
3e)	The Submit Button	
3f)	Allowing multipleselections	
3g)	Adding video to aweb page	
3h)	Adding play controlsto the video	
3i)	Looping the video	
4)	**Basics of CSS-1**	
4a)	Inline CSS	
4b)	External CSS	
4c)	CSS using <style>tag	
4d)	Element Selector	
4e)	Class Selector	
4f)	ID selector	

4e)	Universal Selector
5)	**Basics of CSS-2**
5a)	Vertical NavigationBar
5b)	Horizontal Navigation Bar
5c)	Transitions
5d)	Loader
5e)	Text-blocks
5f)	Font-family
5g)	Gradients
5h)	Opacity
5i)	Rounded borderimage
5j)	Image reflection
5k)	Masking images
5l)	Grids
6)	**Basic Javascript commands**
6a)	To create registrationform with table.
6b)	To create a program in Java script to use string, math and date functions
6c)	To create a calendarwith all the months using Java script.

7)		**Basic Javascript Commands - 2**
	7a)	To create a registration formusing Java script.
	7b)	To create a registration form using tables in Javascript.
	7c)	To create mouse hovering effects using Java script.
	7d)	To create an onlineexam.
	7e)	To create growingand shrinking text
8)		**Electron Project**
	8a)	Setting up on Electron Project
	8b)	Creating basic desktop application using electron

EXP :01	Basic HTML programs	DATE : 30/12/2024

AIM :

    To perform basic html tags and analyze its functions

SOFTWARE REQUIREMENT:

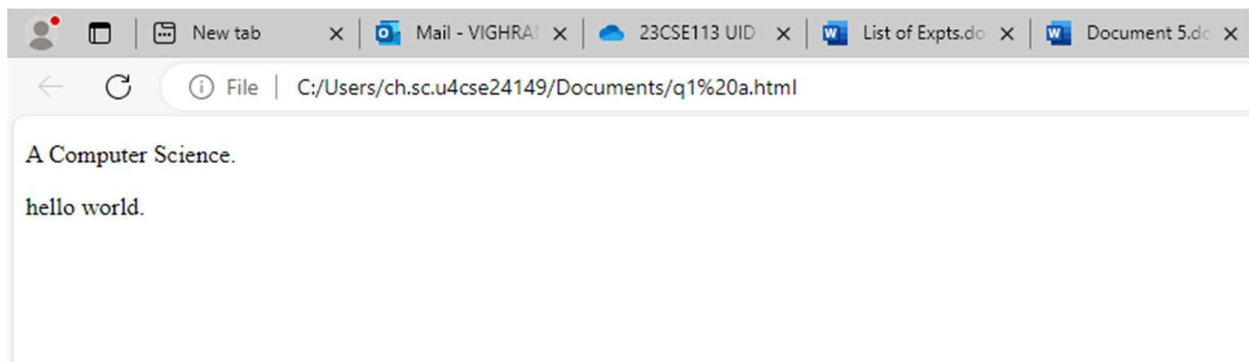   Notepad or Notepad ++ and a Web Browser

Q1
a) CODE :

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

<head>
    <title>The p tag</title>
</head>

<body>
    <p>A Computer Science.</p>
    <p>hello world.</p>
</body>

</html>
```
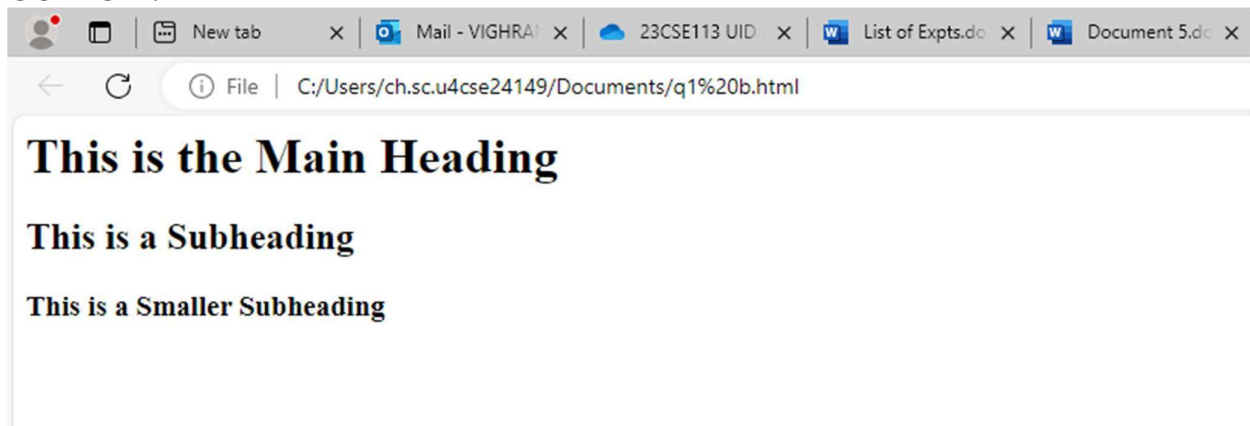
OUTPUT :

A Computer Science.

hello world.

b) CODE :

```
<!DOCTYPE html>
<html>

<body>
   <h1>This is the Main Heading</h1>
   <h2>This is a Subheading</h2>
   <h3>This is a Smaller Subheading</h3>
</body>

</html>
```
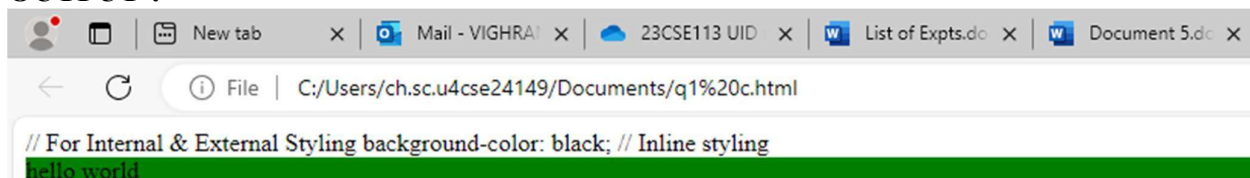
OUTPUT :

This is the Main Heading

This is a Subheading

This is a Smaller Subheading

c) CODE :

```
<!DOCTYPE html>
<html>

<body>
// For Internal & External Styling
background-color: red;

// Inline styling
<div style="background-color: blue">Content...</div>

</body>

</html>
```

OUTPUT :

// For Internal & External Styling background-color: black; // Inline styling
hello world

d) CODE :

```
<!DOCTYPE html>
<html>

<body>

<p>Bold Text in HTML</p>
<p>Sample: <b>This text is bold</b></p>

</body>

</html>
```

OUTPUT :

e) CODE :

```
<!DOCTYPE html>
<html>

<body>

    <p>I am normal</p>
    <p style="color:red;">I am red</p>
    <p style="color:blue;">I am blue</p>
    <p style="font-size:50px;">I am big</p>
    <p>Hello <b>GFG</b></p>
</body>

</html>
```
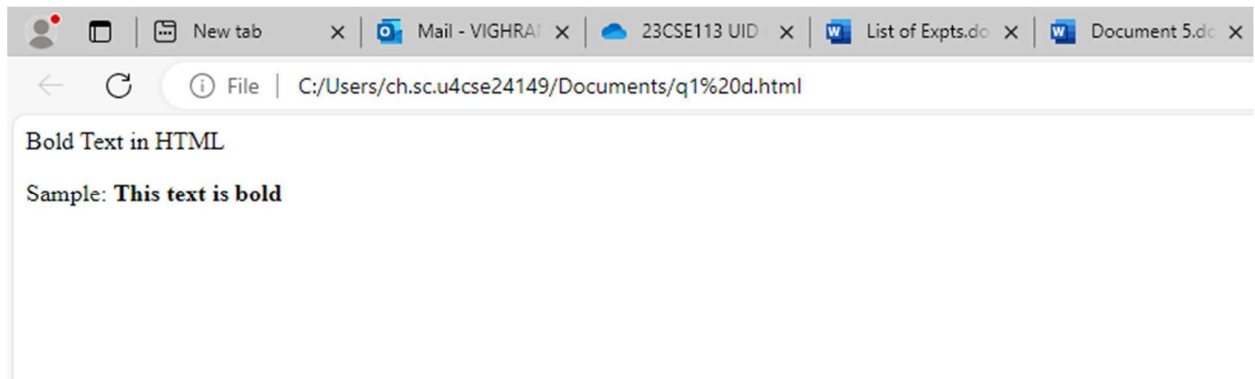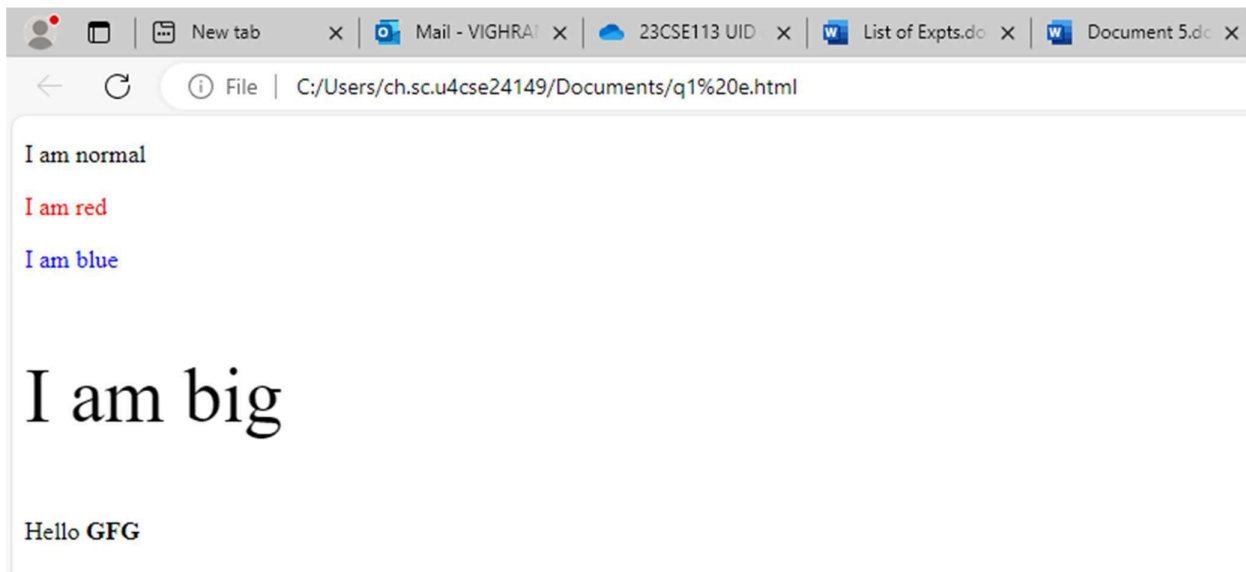
OUTPUT :

I am normal

I am red

I am blue

I am big

Hello **GFG**

f) CODE :

```
<!DOCTYPE html>
<html>

<body>

<p align="left">
   This text is left-aligned using the align attribute.
</p>
<p align="center">
   This text is center-aligned using the align attribute.
</p>
<p align="right">
   This text is right-aligned using the align attribute.
</p>

</body>

</html>
```

OUTPUT :

This text is left-aligned using the align attribute.

This text is center-aligned using the align attribute.

This text is right-aligned using the align attribute.

g) CODE :

```html
<!DOCTYPE html>
<html>

<head>
  <title>
     Define a short quotation
  </title>
</head>

<body>

  <h3>
    Define
    a short quotation
  </h3>

  <p>
    The quick brown fox jumps
    over the lazy dog
  </p>

  <!--Inside quotes-->
  <p><q>
      The quick brown fox jumps
      over the lazy dog
    </q></p>
</body>

</html>
```
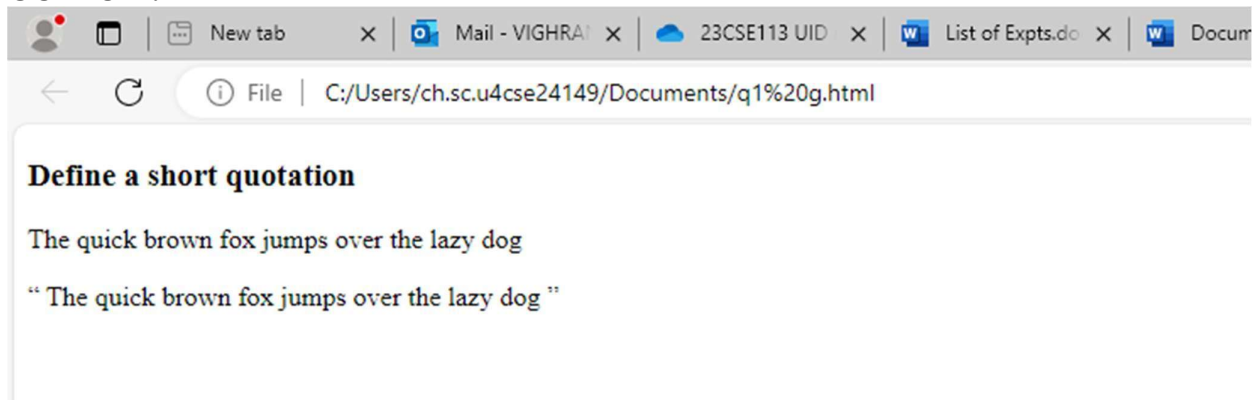
OUTPUT :

Define a short quotation

The quick brown fox jumps over the lazy dog

" The quick brown fox jumps over the lazy dog "

h) CODE :

```
<!DOCTYPE html>
<html>

<head>
<title>
What is the correct way to write
address in an HTML document?
</title>
</head>

<body>
<h1 style="color:green;">GeeksforGeeks</h1>

<h3>
Correct way to write address
in HTML document
</h3>
<!-- address tag starts from here -->
<address>
vighranth sk
vengal
avv chennai
tamil nadu
                                    </address>
<!-- address tag ends here -->

</body>

</html>
```
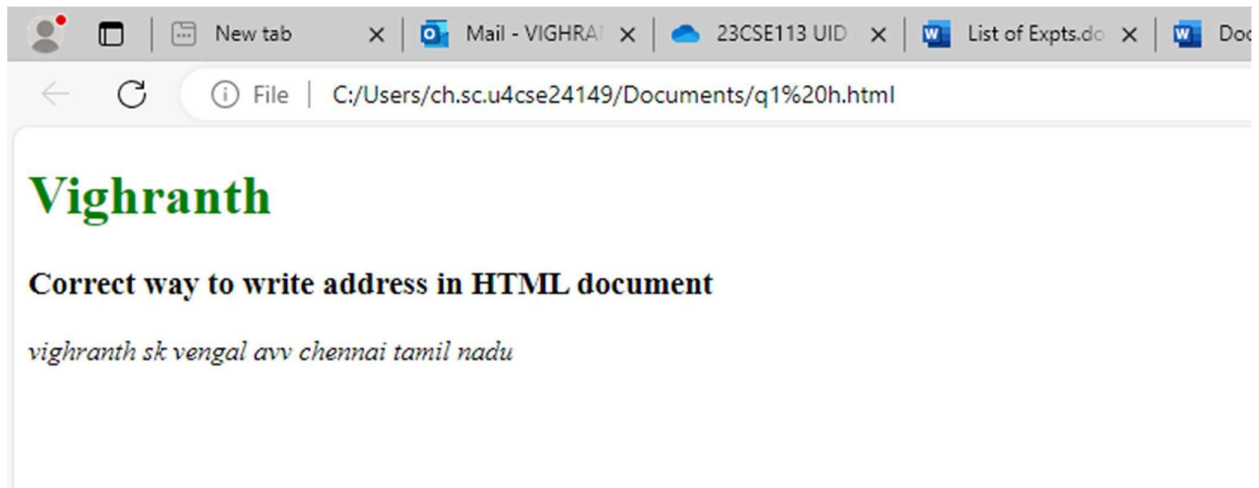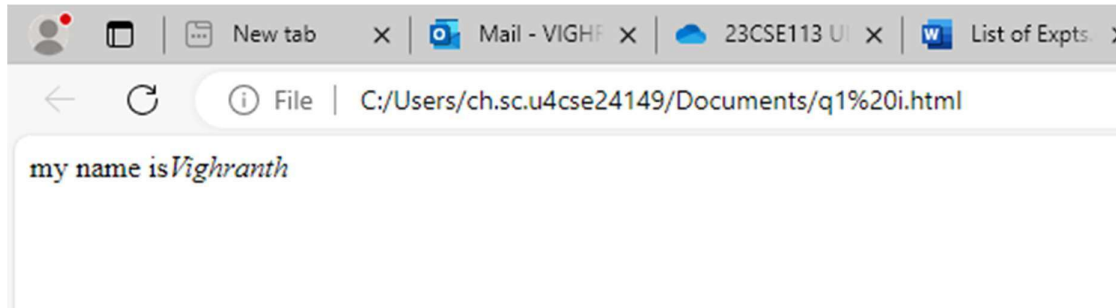
OUTPUT :

Vighranth

Correct way to write address in HTML document

vighranth sk vengal avv chennai tamil nadu

i) CODE :

```
<!DOCTYPE html>
<html>
<body>
  <p>my name is<cite>Vighranth</cite></p>
</body>

</html>
```

OUTPUT :

j) CODE :

```
<!DOCTYPE html>
<title>
    How to set smaller
    text using HTML5 ?
</title>

<style>
  body {
      text-align: center;
  }

  h1 {
      color: green;
  }
</style>
</head>

<body>
  <h2>
    HTML5: How to define
    smaller text?
  </h2>

  <small>
    hi i am from amrita chennai
```

```
        </small>
    </body>

    </html>
```

OUTPUT :

EXPERIMENT:2	Basic HTML tags & tables	Date:21/01/2025

AIM:
Basic HTML tags and tables

SOFTWARE REQUIREMENTS:
Notepad or Notepad++ and a web browser.

(a) To display a table

CODE:

```
<!DOCTYPE html>
<html>
    <head>
        <title>Table</title>
    </head>
    <body>
        <table border="1" style="border-collapse: collapse;">
            <tr>
                <th>Marvel character</th>
                <th>Species</th>
            </tr>
```

```html
        <tr>
          <td>Iron Man</td>
          <td>Human</td>
        </tr>
        <tr>
          <td>Thor</td>
          <td>Asgardian</td>
        </tr>
        <tr>
          <td>Loki</td>
          <td>Frost gaint</td>
        </tr>
      </table>
   </body>
</html>
```

OUTPUT:

Marvel character	Species
Iron Man	Human
Thor	Asgardian
Loki	Frost gaint

(b) Add background color and caption to a table

CODE:

```
<!DOCTYPE html>
<html>
   <head>
      <title>Table</title>
   </head>
   <body>
      <table border="1" style="border-collapse: collapse; background-color: indianred;">
         <caption>MARVEL</caption>
         <tr>
            <th>Marvel character</th>
            <th>Species</th>
         </tr>
         <tr>
            <td>Iron Man</td>
            <td>Human</td>
         </tr>
         <tr>
            <td>Thor</td>
            <td>Asgardian</td>
         </tr>
         <tr>
            <td>Loki</td>
            <td>Frost gaint</td>
         </tr>
      </table>
   </body>
</html>
```

OUTPUT:

MARVEL

Marvel character	Species
Iron Man	Human
Thor	Asgardian
Loki	Frost gaint

(C) Add width to a table

CODE:

```
<!DOCTYPE html>
<html>
   <head>
      <title>Table</title>
   </head>
   <body>
      <table border="1" width="500" style="border-collapse: collapse;">
         <caption>MARVEL</caption>
         <tr>
            <th>Marvel character</th>
            <th>Species</th>
         </tr>
         <tr>
            <td>Iron Man</td>
            <td>Human</td>
         </tr>
         <tr>
            <td>Thor</td>
            <td>Asgardian</td>
         </tr>
         <tr>
            <td>Loki</td>
            <td>Frost gaint</td>
         </tr>
      </table>
   </body>
</html>
```

OUTPUT:

MARVEL	
Marvel character	**Species**
Iron Man	Human
Thor	Asgardian
Loki	Frost gaint

(d) Hyperlink image as a link

CODE:

```
<!DOCTYPE html>
<html>
   <head>
      <title>Tags</title>
   </head>
   <body>
      <h1>MARVEL</h1>
      <a href="https://www.marvel.com/"><img
src="https://yt3.googleusercontent.com/P_qIGe_-
Jt5V4JT_UtIuURsq9RBRDIZ88tvFJx1AzACWzsuRIrrOfb6jDH2OnoukFdS06AN5nQ
=s900-c-k-c0x00ffffff-no-rj" height="200px" width="200px" alt="Marvel Logo"></a>
   </body>
</html>
```

OUTPUT:

(e) Link to e-mail address

CODE:

```html
<!DOCTYPE html>
<html>
   <head>
      <title>Tags</title>
   </head>
   <body>
      <h1>MARVEL</h1>
      <p>For further details click mail</p>
      <a href="mailto:ch.sc.u4cse24111@ch.students.amrita.edu">MAIL</a>
   </body>
</html>
```

OUTPUT:

MARVEL

For further details click mail

MAIL

(f) Button as Link

CODE:

```
<!DOCTYPE html>
<html>
    <head>
        <title>Tags</title>
    </head>
    <body>
        <h1>MARVEL</h1>
        <b>The Marvel Cinematic Universe (MCU) is an American media franchise and shared
universe centered on a series of superhero films produced by Marvel Studios.  The films are
based on characters that appear in American comic books published by Marvel Comics. The
franchise also includes several television series, short films, digital series, and literature. The
shared universe, much like the original Marvel Universe in comic books, was established by
crossing over common plot elements, settings, cast,  and characters.</b>
        <b>Click the below button to go to the Marvel Cinematic Universe page.<br><br></b>
        <a href="https://www.marvel.com/">
        <button style="color:black;background-color: white;">MARVEL</button>
        </a>
    </body>
</html>
```

OUTPUT:

MARVEL

The Marvel Cinematic Universe (MCU) is an American media franchise and shared universe centered on a series of superhero films produced by Marvel Studios. The films are based on characters that appear in American comic books published by Marvel Comics. The franchise also includes several television series, short films, digital series, and literature. The shared universe, much like the original Marvel Universe in comic books, was established by crossing over common plot elements, settings, cast, and characters. Click the below button to go to the Marvel Cinematic Universe page.

MARVEL

(g) Link Titles

CODE:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Tags</title>
  </head>
  <body>
    <h1>MARVEL</h1>
    <b>The Marvel Cinematic Universe (MCU) is an American media franchise and shared
universe centered on a series of superhero films produced by Marvel Studios.  The films are
based on characters that appear in American comic books published by Marvel Comics. The
franchise also includes several television series, short films, digital series, and literature. The
shared universe, much like the original Marvel Universe in comic books, was established by
crossing over common plot elements, settings, cast,  and characters.</b>
    <b>Click the below button to go to the Marvel Cinematic Universe page.<br><br></b>
    <a href="https://www.marvel.com/"title="Go to the Marvel Cinematic Universe page">
    MARVEL
    </a>
  </body>
</html>
```

OUTPUT:

MARVEL

The Marvel Cinematic Universe (MCU) is an American media franchise and shared universe centered on a series of superhero films produced by Marvel Studios. The films are based on characters that appear in American comic books published by Marvel Comics. The franchise also includes several television series, short films, digital series, and literature. The shared universe, much like the original Marvel Universe in comic books, was established by crossing over common plot elements, settings, cast, and characters. Click the below button to go to the Marvel Cinematic Universe page.

MARVEL