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Reg No.: 22MCA0125

IWP Lab Exercises

Ques 1) Introduction to HTML

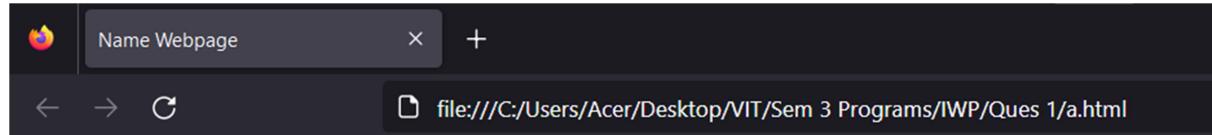
a)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Name Webpage</title>
  </head>

  <body>
    <h3>Anuj Koranga</h3>
  </body>
</html>
```

Output:



Anuj Koranga

b)

```
<!DOCTYPE html>

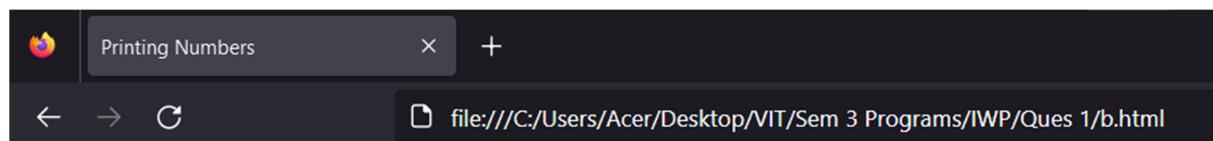
<html>
  <head>
    <title>Printing Numbers</title>
  </head>

  <body>
    <p>
      <script>
        for(var i = 1; i <= 10; i++)
        {

```

```
        document.write(i + "<br>");  
    }  
    </script>  
    </p>  
  </body>  
</html>
```

Output:

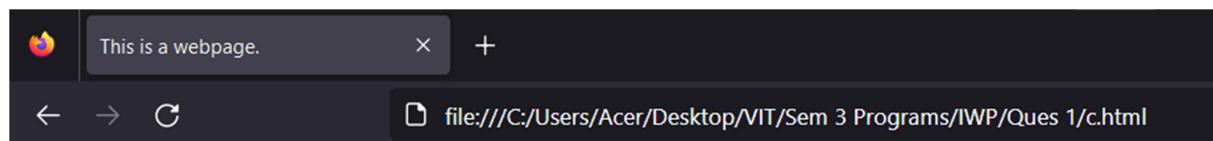


1
2
3
4
5
6
7
8
9
10

c)

```
<!DOCTYPE html>  
  
<html>  
  <head>  
    <title>This is a webpage.</title>  
  </head>  
  
  <body>  
    <h3>This is a heading.</h3>  
  </body>  
</html>
```

Output:



This is a heading.

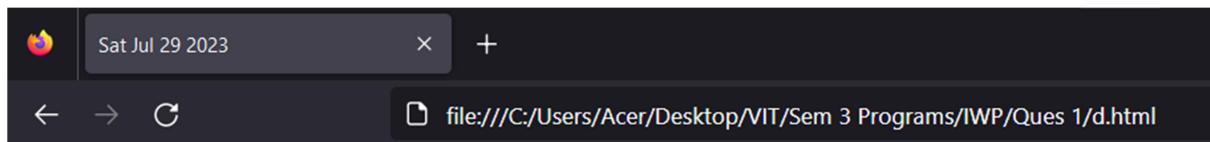
d)

```
<!DOCTYPE html>

<html>
  <head>
    <script>
      document.addEventListener("DOMContentLoaded", function()
      {
        var currentdate = new Date();
        var titledate = currentdate.toDateString();
        document.title = titledate;
      });
    </script>
  </head>

  <body>
    <p>When was this webpage created?
      Check page's title for the answer.</p>
  </body>
</html>
```

Output:



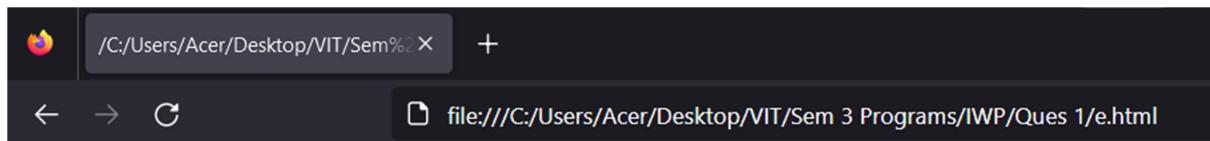
When was this webpage created? Check page's title for the answer.

e)

```
<!DOCTYPE html>

<html>
  <body>
    <p>This page contains no &lt;head&gt; tag.</p>
  </body>
</html>
```

Output:



This page contains no <head> tag.

f)

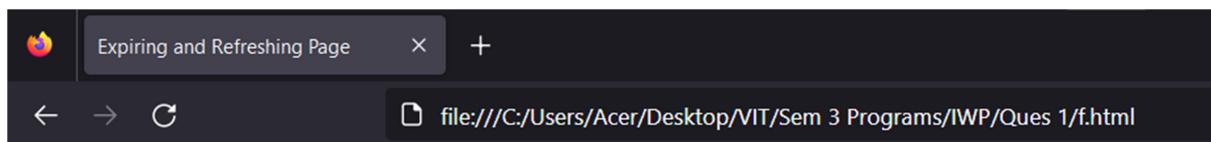
```
<!DOCTYPE html>

<html>
    <head>
        <title>Expiring and Refreshing Page</title>
        <script>
            //on page Load, call functions to expire the page content after 3
seconds and refresh page after 5 more seconds
            window.addEventListener("load", function()
            {
                setTimeout(function()
                {
                    document.body.innerHTML = "Page Content Expired";
                    setTimeout(function()
                    {
                        alert('The page has expired. Please refresh.');
                    }, 100);
                }, 3000);

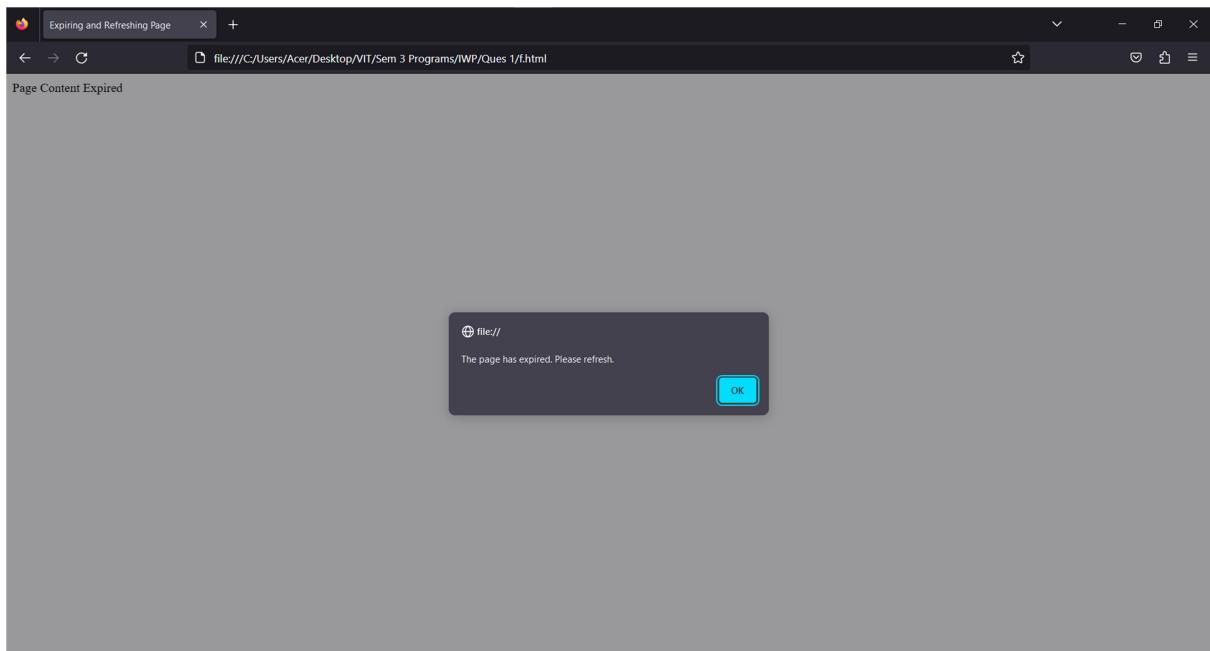
                setTimeout(function()
                {
                    window.location.reload();
                }, 8000);
            });
        </script>
    </head>

    <body>
        <pre>This page expires in 3 seconds and refreshes in 5 more
seconds.</pre>
    </body>
</html>
```

Output:



This page expires in 3 seconds and refreshes in 5 more seconds.



Ques 2) HTML Text Exercises

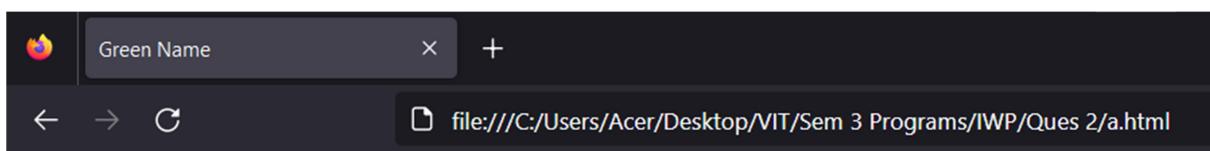
a)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Green Name</title>
  </head>

  <body>
    <h2 style="color: green;">Anuj Koranga</h2>
  </body>
</html>
```

Output:



Anuj Koranga

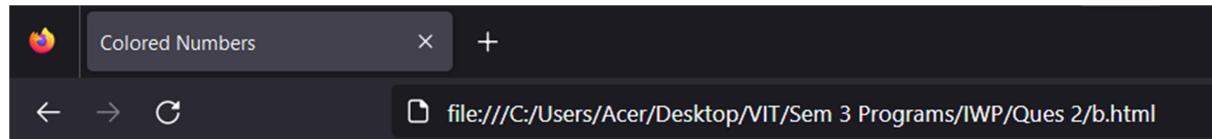
b)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Colored Numbers</title>
    <style>
      p
      {
        display: inline-block;
        font-size: 24px;
        margin: 20px;
      }
    </style>
  </head>

  <body>
    <p style="color:blue;">1</p>
    <p style="color:green;">2</p>
    <p style="color:red;">3</p>
    <p style="color:silver;">4</p>
    <p style="color:orange;">5</p>
    <p style="color:purple;">6</p>
    <p style="color:brown;">7</p>
    <p style="color:hotpink;">8</p>
    <p style="color:cyan;">9</p>
    <p style="color:black;">10</p>
  </body>
</html>
```

Output:



1 2 3 4 5 6 7 8 9 10

c)

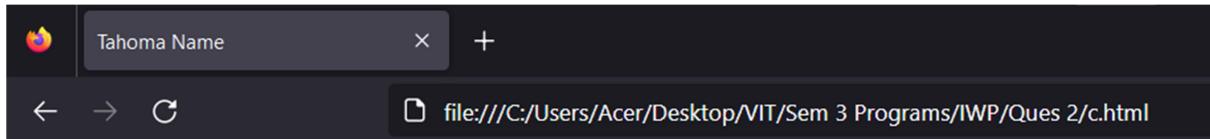
```
<!DOCTYPE html>

<html>
  <head>
    <title>Tahoma Name</title>
```

```
</head>

<body>
    <h2 style="font-family: Tahoma;">Anuj Koranga</h2>
</body>
</html>
```

Output:



Anuj Koranga

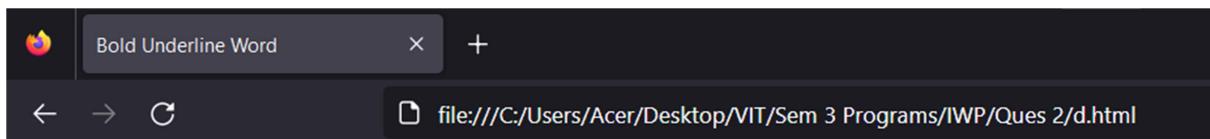
d)

```
<!DOCTYPE html>

<html>
    <head>
        <title>Bold Underline Word</title>
        <style>
            p
            {
                font-size: 24px;
                margin: 20px;
            }
        </style>
    </head>

    <body>
        <p>Text can be emboldened and underlined
           using the <b><u>&lt;b&gt; and &lt;u&gt;</u></b> tags.</p>
    </body>
</html>
```

Output:



Text can be **boldened** and underlined using the ** and <u>** tags.

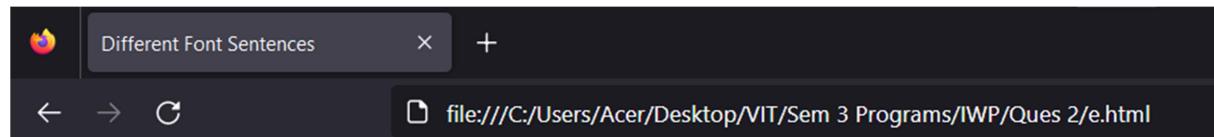
e)

```
<!DOCTYPE html>

<html>
    <head>
        <title>Different Font Sentences</title>
        <style>
            p
            {
                font-size: 24px;
                margin: 20px;
            }
        </style>
    </head>

    <body>
        <p style="font-family: Tahoma;">The London Bridge is falling down</p>
        <p style="font-family: Arial;">Its Falling down, Its Falling down</p>
        <p style="font-family: Times New Roman;">The London Bridge is falling
down</p>
        <p style="font-family: Allura;">My fair lady</p>
    </body>
</html>
```

Output:



The London Bridge is falling down

Its Falling down, Its Falling down

The London Bridge is falling down

My fair lady

f)

```
<!DOCTYPE html>

<html>
    <head>
        <title>Book Description</title>
```

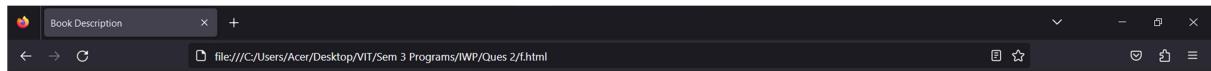
```
<style>
  p
  {
    font-size: 24px;
    margin: 10px;
  }
</style>
</head>

<body>
  <h1>1984</h1>
  <p>
    <u>"1984"</u> is a <b><i>dystopian</i></b> novel written by <u>George Orwell</u>, published in 1949. Set in a <b><i>totalitarian</i></b> <b><i>future</i></b> society, the story follows the life of <u>Winston Smith</u>, a <b><i>low-ranking</i></b> member of the <b><i>ruling</i></b> <u>Party</u>. <u>The Party</u>, led by the <b><i>enigmatic</i></b> <u>Big Brother</u>, exercises <b><i>complete</i></b> control over every aspect of people's lives, manipulating history, language, and individual thoughts to maintain power.

    <u>Winston</u> becomes disillusioned with the <u>Party's</u> <b><i>oppressive</i></b> regime and starts questioning its principles. He secretly begins a <b><i>forbidden</i></b> love affair with <u>Julia</u>, a <b><i>fellow</i></b> <u>Party</u> member. As <u>Winston's</u> <b><i>rebellious</i></b> thoughts and actions increase, he becomes a target of the <u>Party's</u> surveillance and is ultimately captured by the <u>Thought Police</u>.

    The novel explores themes of government surveillance, psychological manipulation, and the suppression of individualism. <u>Orwell's</u> <b><i>haunting</i></b> portrayal of a society <b><i>devoid</i></b> of privacy and freedom serves as a warning against totalitarianism and the dangers of unchecked power. <u>"1984"</u> has become a <b><i>classic</i></b> work of dystopian fiction and remains <b><i>relevant</i></b> in its critique of <b><i>authoritarian</i></b> regimes and the <b><i>erosion</i></b> of <b><i>civil</i></b> liberties.
  </p>
</body>
</html>
```

Output:



1984

"1984" is a **dystopian** novel written by **George Orwell**, published in 1949. Set in a **totalitarian future** society, the story follows the life of **Winston Smith**, a **low-ranking** member of the **ruling Party**. The **Party**, led by the **enigmatic Big Brother**, exercises **complete** control over every aspect of people's lives, manipulating history, language, and individual thoughts to maintain power. Winston becomes disillusioned with the **Party's oppressive** regime and starts questioning its principles. He secretly begins a **forbidden** love affair with **Julia**, a **fellow Party** member. As **Winston's rebellious** thoughts and actions increase, he becomes a target of the **Party's** surveillance and is ultimately captured by the **Thought Police**. The novel explores themes of government surveillance, psychological manipulation, and the suppression of individualism. Orwell's **haunting** portrayal of a society **devoid** of privacy and freedom serves as a warning against totalitarianism and the dangers of unchecked power. "1984" has become a **classic** work of dystopian fiction and remains **relevant** in its critique of **authoritarian** regimes and the **erosion** of **civil liberties**.

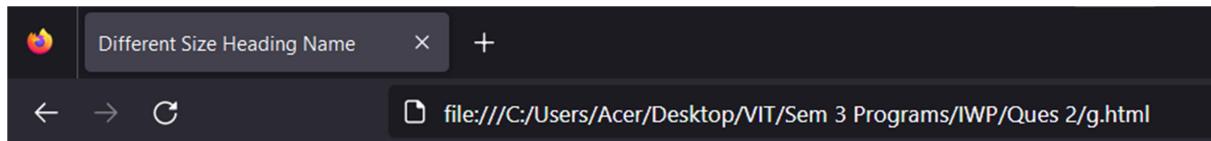
g)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Different Size Heading Name</title>
    <style>
      h1, h2, h3, h4, h5, h6
      {
        display: inline-block;
        margin: 5px;
      }
    </style>
  </head>

  <body>
    <h2>A</h2><h3>N</h3><h1>U</h1><h5>J</h5>
    <h2>K</h2><h6>O</h6><h1>R</h1><h3>A</h3><h4>N</h4><h1>G</h1><h2>A</h2>
  </body>
</html>
```

Output:



A N U J K o R A N G A

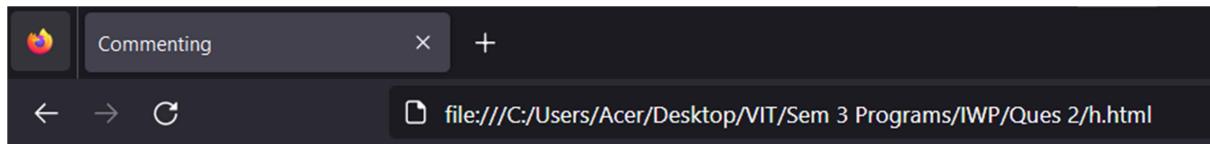
h)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Commenting</title>
  </head>

  <body>
    <!--This is a commented line.-->
    <p>The commented text is not displayed on the webpage.</p>
  </body>
</html>
```

Output:



The commented text is not displayed on the webpage.

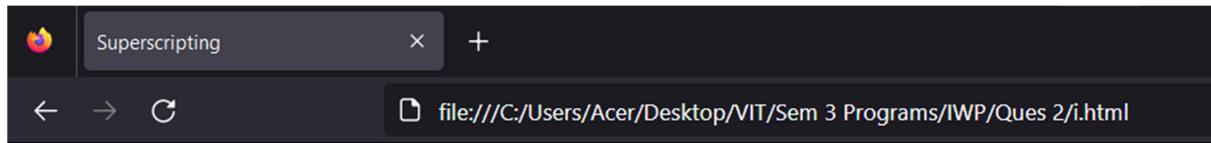
i)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Superscripting</title>
    <style>
      p
      {
        font-size: 24px;
        margin: 5px;
      }
    </style>
  </head>

  <body>
    <p>a2 + b2 = 2ab</p>
  </body>
</html>
```

Output:



$$a^2 + b^2 = 2ab$$

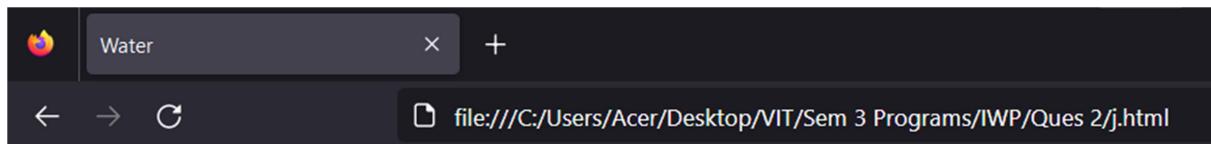
j)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Water</title>
    <style>
      p
      {
        font-size: 24px;
        margin: 5px;
      }
    </style>
  </head>

  <body>
    <p>H<sub>2</sub>O</p>
  </body>
</html>
```

Output:



k)

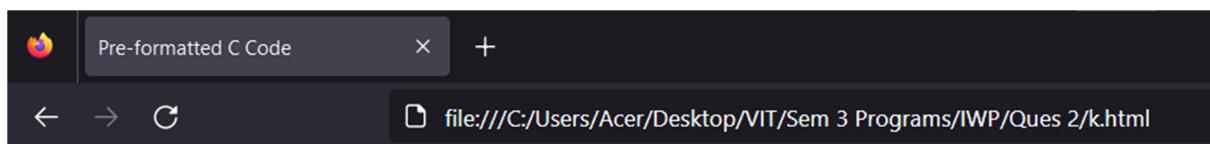
```
<!DOCTYPE html>

<html>
  <head>
    <title>Pre-formatted C Code</title>
  </head>
```

```
<body>
    <pre><code>
        #include stdio.h

        int main()
        {
            printf("Hello World!");
            return 0;
        }
    </code></pre>
</body>
</html>
```

Output:



```
#include stdio.h

int main()
{
    printf("Hello World!");
    return 0;
}
```

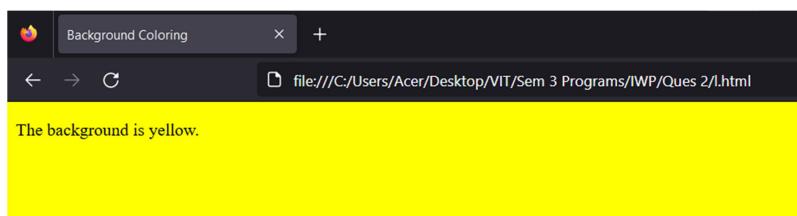
I)

```
<!DOCTYPE html>

<html>
    <head>
        <title>Background Coloring</title>
    </head>

    <body style="background-color: yellow;">
        <p>The background is yellow.</p>
    </body>
</html>
```

Output:



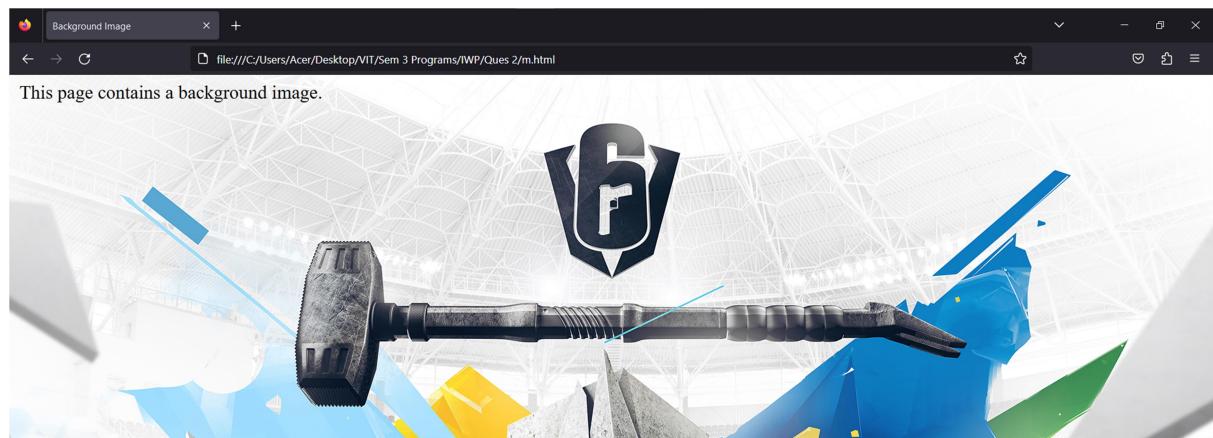
m)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Background Image</title>
    <style>
      body
      {
        background-image: url('hammer.jpg');
        background-size: cover;
        background-repeat: no-repeat;
      }
      p
      {
        font-size: 24px;
        margin: 5px;
      }
    </style>
  </head>

  <body>
    <p>This page contains a background image.</p>
  </body>
</html>
```

Output:



n)

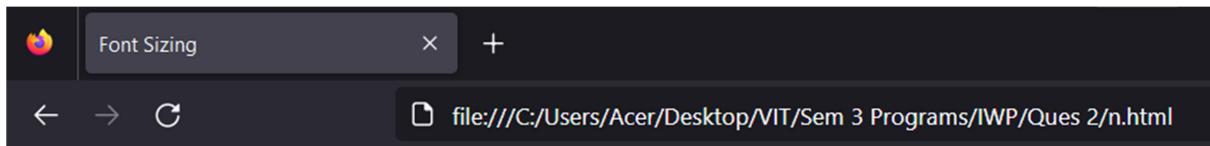
```
<!DOCTYPE html>

<html>
  <head>
    <title>Font Sizing</title>
```

```
</head>

<body>
    <p style="font-size: 10pt;">This text is font size 10.</p>
    <p style="font-size: 8pt;">This text is font size 8.</p>
</body>
</html>
```

Output:



This text is font size 10.

This text is font size 8.

o)

```
<!DOCTYPE html>

<html>
    <head>
        <title>Marquee Name</title>
    </head>

    <body>
        <marquee behavior="scroll" width="250" direction="left"
scrollamount="10">Anuj Koranga</marquee>
    </body>
</html>
```

Output: (scrolling text)



p)

```
<!DOCTYPE html>

<html>
    <head>
        <title>No Wrap Paragraph</title>
    </head>
```

```

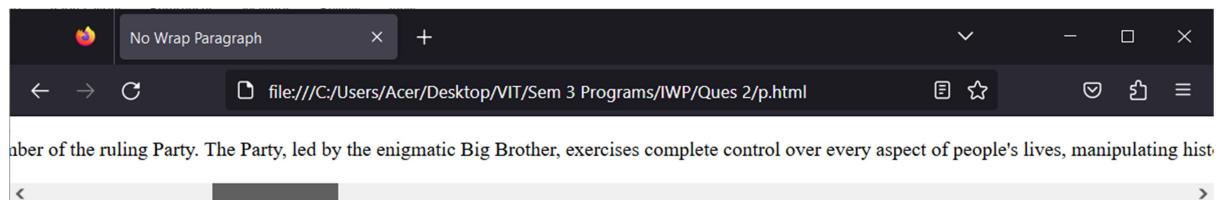
<body>
    <p style="white-space: nowrap;">
        "1984" is a dystopian novel written by George Orwell, published in
        1949. Set in a totalitarian future society, the story follows the life of
        Winston Smith, a low-ranking member of the ruling Party. The Party, led by the
        enigmatic Big Brother, exercises complete control over every aspect of
        people's lives, manipulating history, language, and individual thoughts to
        maintain power.

        Winston becomes disillusioned with the Party's oppressive regime
        and starts questioning its principles. He secretly begins a forbidden love
        affair with Julia, a fellow Party member. As Winston's rebellious thoughts and
        actions increase, he becomes a target of the Party's surveillance and is
        ultimately captured by the Thought Police.

        The novel explores themes of government surveillance,
        psychological manipulation, and the suppression of individualism. Orwell's
        haunting portrayal of a society devoid of privacy and freedom serves as a
        warning against totalitarianism and the dangers of unchecked power. "1984" has
        become a classic work of dystopian fiction and remains relevant in its
        critique of authoritarian regimes and the erosion of civil liberties.
    </p>
</body>
</html>

```

Output:



Ques 3) HTML Text Formatting and List Exercises

a)

```

<!DOCTYPE html>

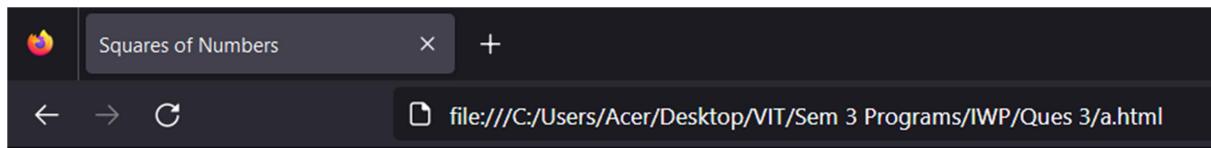
<html>
    <head>
        <title>Squares of Numbers</title>
        <style>
            p
            {
                font-size: 24px;

```

```
        margin: 10px;
    }
</style>
</head>

<body>
<p>
<script>
    for(var i = 1; i <= 20; i++)
    {
        document.write(i + "<sup>2</sup> = " + Math.pow(i,2) +
"<br>");
    }
</script>
</p>
</body>
</html>
```

Output:



b)

```
<!DOCTYPE html>

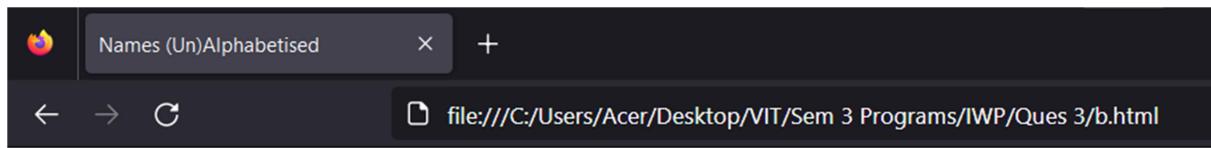
<html>
  <head>
    <title>Names (Un)Alphabetised</title>
    <style>
      p
      {
        font-size: 20px;
        margin: 10px;
      }
    </style>
```

```
</head>

<body>
    <h1>Unalphabetised Names:</h1>
    <p>
        Tanmay<sub>10</sub><br>
        Sankalp<sub>9</sub><br>
        Kalpesh<sub>5</sub><br>
        Priyanshu<sub>7</sub><br>
        Anuj<sub>1</sub><br>
        Mohit<sub>6</sub><br>
        Rajiv<sub>8</sub><br>
        Bhavesh<sub>2</sub><br>
        Farhan<sub>3</sub><br>
        Gayatri<sub>4</sub><br>
    </p>

    <h1>Alphabetised Names:</h1>
    <p>
        Anuj<sub>1</sub><br>
        Bhavesh<sub>2</sub><br>
        Farhan<sub>3</sub><br>
        Gayatri<sub>4</sub><br>
        Kalpesh<sub>5</sub><br>
        Mohit<sub>6</sub><br>
        Priyanshu<sub>7</sub><br>
        Rajiv<sub>8</sub><br>
        Sankalp<sub>9</sub><br>
        Tanmay<sub>10</sub><br>
    </p>
</body>
</html>
```

Output:



Unalphabetised Names:

Tanmay₁₀

Sankalp₉

Kalpesh₅

Priyanshu₇

Anuj₁

Mohit₆

Rajiv₈

Bhavesh₂

Farhan₃

Gayatri₄

Alphabetised Names:

Anuj₁

Bhavesh₂

Farhan₃

Gayatri₄

Kalpesh₅

Mohit₆

Priyanshu₇

Rajiv₈

Sankalp₉

Tanmay₁₀

c)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Lists</title>
  </head>

  <body>
    <h2>Unordered List</h2>
    <ul>
      <li>Thermite</li>
```

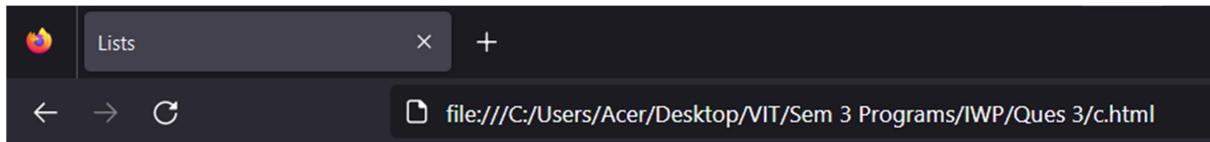
```

<li>Thatcher</li>
<li>Jaeger</li>
<li>Doc</li>
</ul>

<h2>Ordered List</h2>
<ol type="i">
    <li>Cobra</li>
    <li>ACOG</li>
    <li>Red Dot</li>
    <li>Holographic</li>
</ol>
</body>
</html>

```

Output:



Unordered List

- Thermite
- Thatcher
- Jaeger
- Doc

Ordered List

- i. Cobra
- ii. ACOG
- iii. Red Dot
- iv. Holographic

d)

```

<!DOCTYPE html>

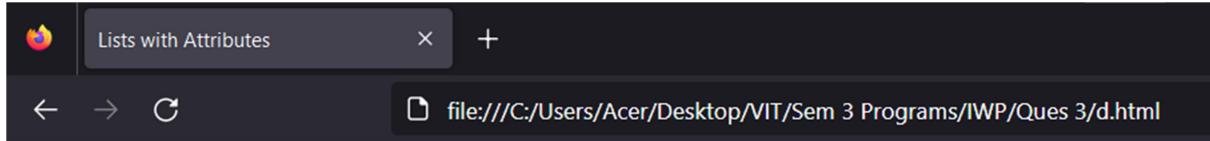
<html>
    <head>
        <title>Lists with Attributes</title>
    </head>

    <body>
        <h2>Ordered List of Type (i) starting from 7</h2>
        <ol type="i" start="7">
            <li>Gridlock</li>
            <li>Flores</li>
        </ol>
    </body>
</html>

```

```
<li>Sens</li>
<li>Osa</li>
</ol>
</body>
</html>
```

Output:



Ordered List of Type (i) starting from 7

- vii. Gridlock
- viii. Flores
- ix. Sens
- x. Osa

e)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Horizontal Ruling and Paragraph</title>
    <style>
      p
      {
        font-size: 20px;
        margin: 10px;
      }
    </style>
  </head>

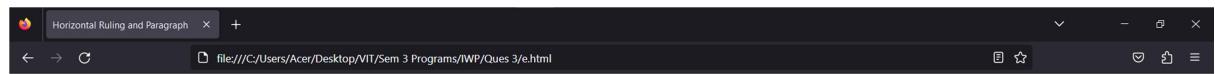
  <body>
    <h1>1984</h1>
    <hr width="100%">
    <p>
      "1984" is a dystopian novel written by George Orwell, published in 1949. Set in a totalitarian future society, the story follows the life of Winston Smith, a low-ranking member of the ruling Party. The Party, led by the enigmatic Big Brother, exercises complete control over every aspect of people's lives, manipulating history, language, and individual thoughts to maintain power.
    <p>
      Winston becomes disillusioned with the Party's oppressive regime and starts questioning its principles. He secretly begins a forbidden love
    </p>
  </body>
</html>
```

affair with Julia, a fellow Party member. As Winston's rebellious thoughts and actions increase, he becomes a target of the Party's surveillance and is ultimately captured by the Thought Police.

The novel explores themes of government surveillance, psychological manipulation, and the suppression of individualism. Orwell's haunting portrayal of a society devoid of privacy and freedom serves as a warning against totalitarianism and the dangers of unchecked power. "1984" has become a classic work of dystopian fiction and remains relevant in its critique of authoritarian regimes and the erosion of civil liberties.

```
</p>
</body>
</html>
```

Output:



1984

"1984" is a dystopian novel written by George Orwell, published in 1949. Set in a totalitarian future society, the story follows the life of Winston Smith, a low-ranking member of the ruling Party. The Party, led by the enigmatic Big Brother, exercises complete control over every aspect of people's lives, manipulating history, language, and individual thoughts to maintain power. Winston becomes disillusioned with the Party's oppressive regime and starts questioning its principles. He secretly begins a forbidden love affair with Julia, a fellow Party member. As Winston's rebellious thoughts and actions increase, he becomes a target of the Party's surveillance and is ultimately captured by the Thought Police. The novel explores themes of government surveillance, psychological manipulation, and the suppression of individualism. Orwell's haunting portrayal of a society devoid of privacy and freedom serves as a warning against totalitarianism and the dangers of unchecked power. "1984" has become a classic work of dystopian fiction and remains relevant in its critique of authoritarian regimes and the erosion of civil liberties.

f)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Description Lists</title>
  </head>

  <body>
    <dl>
      <dt>Ash</dt>
      <dd>- FBI SWAT<br>- Specialises in Breach and Clear</dd>

      <dt>Fuze</dt>
      <dd>- Spetsnaz<br>- Specialises in Room and Utility Clearing</dd>

      <dt>Doc</dt>
      <dd>- GIGN<br>- Specialises in Medical Aid</dd>

      <dt>Jager</dt>
      <dd>- GSG9<br>- Specialises in Area Denial, is Pilot</dd>

      <dt>Deimos</dt>
```

```

        <dd>- Unaffiliated<br>- Wanted in 9 countries</dd>
    </dl>
</body>
</html>

```

Output:



Ash
 - FBI SWAT
 - Specialises in Breach and Clear

Fuze
 - Spetsnaz
 - Specialises in Room and Utility Clearing

Doc
 - GIGN
 - Specialises in Medical Aid

Jager
 - GSG9
 - Specialises in Area Denial, is Pilot

Deimos
 - Unaffiliated
 - Wanted in 9 countries

g)

```

<!DOCTYPE html>

<html>
    <head>
        <title>Envelope</title>
        <style>
            .sender
            {
                text-align: left;
                margin-top: 20px;
                margin-left: 20px;
            }

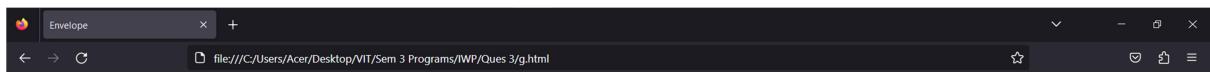
            .receiver
            {
                text-align: left;
                position: absolute;
                left: 50%;
                top: 50%;
                transform: translate(-50%, -50%);
            }
        </style>
    </head>
    <body>
        <div class="sender">
            <img alt="Red envelope icon" style="width: 50px; height: 50px; border-radius: 50%; border: 2px solid black; margin-bottom: 10px;" />
            <p>From: [REDACTED]</p>
            <p>Subject: [REDACTED]</p>
            <p>[REDACTED]</p>
            <p>[REDACTED]</p>
        </div>
        <div class="receiver">
            <img alt="Green envelope icon" style="width: 50px; height: 50px; border-radius: 50%; border: 2px solid black; margin-bottom: 10px;" />
            <p>To: [REDACTED]</p>
            <p>[REDACTED]</p>
            <p>[REDACTED]</p>
            <p>[REDACTED]</p>
        </div>
    </body>
</html>

```

```
</style>
</head>

<body>
    <div>
        <div class="sender">
            <p>Anuj Koranga</p>
            <p>Shiv Vihar Sector 2</p>
            <p>Kusumkhera, Haldwani 263139</p>
        </div>
        <div class="receiver">
            <p>The Dean</p>
            <p>School of Information Technology and Engineering</p>
            <p>Vellore Institute of Technology, Vellore 630214</p>
        </div>
    </div>
</body>
</html>
```

Output:



Anuj Koranga
Shiv Vihar Sector 2
Kusumkhera, Haldwani 263139

The Dean
School of Information Technology and Engineering
Vellore Institute of Technology, Vellore 630214

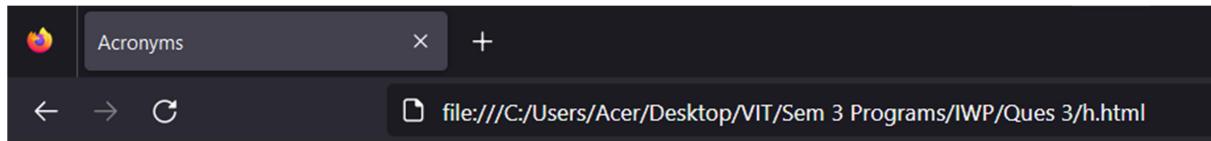
h)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Acronyms</title>
  </head>

  <body>
    <h1>Acronyms Spaced by 2 Lines</h1>
    <dl>
      <dt>HTML</dt>
      <dd>- HyperText Markup Language</dd>
      <hr><hr>
      <dt>CSS</dt>
      <dd>- Cascading Style Sheets</dd>
      <hr><hr>
      <dt>JS</dt>
      <dd>- JavaScript</dd>
      <hr><hr>
      <dt>API</dt>
      <dd>- Application Programming Interface</dd>
      <hr><hr>
      <dt>WWW</dt>
      <dd>- World Wide Web</dd>
      <hr><hr>
      <dt>URL</dt>
      <dd>- Uniform Resource Locator</dd>
      <hr><hr>
      <dt>URI</dt>
      <dd>- Uniform Resource Identifier</dd>
      <hr><hr>
      <dt>HTTP</dt>
      <dd>- Hypertext Transfer Protocol</dd>
      <hr><hr>
      <dt>PDF</dt>
      <dd>- Portable Document Format</dd>
      <hr><hr>
      <dt>JPEG</dt>
      <dd>- Joint Photographic Experts Group</dd>
    </dl>
  </body>
</html>
```

Output:



Acronyms Spaced by 2 Lines

HTML

- HyperText Markup Language

CSS

- Cascading Style Sheets

JS

- JavaScript

API

- Application Programming Interface

WWW

- World Wide Web

URL

- Uniform Resource Locator

URI

- Uniform Resource Identifier

HTTP

- Hypertext Transfer Protocol

PDF

- Portable Document Format

JPEG

- Joint Photographic Experts Group

Ques 4) HTML Image Exercises

a)

```
<!DOCTYPE html>

<html>
  <head>
    <title>Five Images</title>
    <style>
      img
```

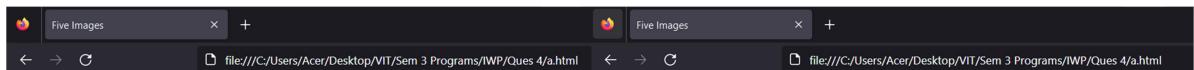
```

        {
            width: 300px;
            height: 300px;
        }
    </style>
</head>

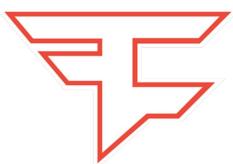
<body>
    <h1>Esport Teams 2019</h1>
    <div>
        
        <br><br>
        
        <br><br>
        
        <br><br>
        
        <br><br>
        
    </div>
</body>
</html>

```

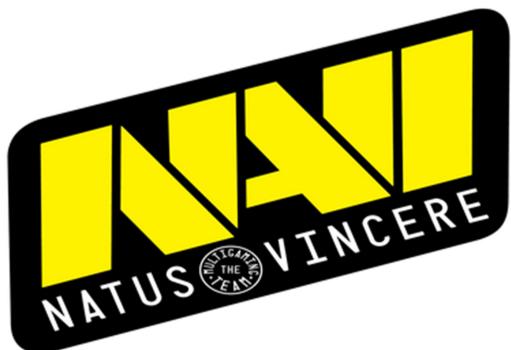
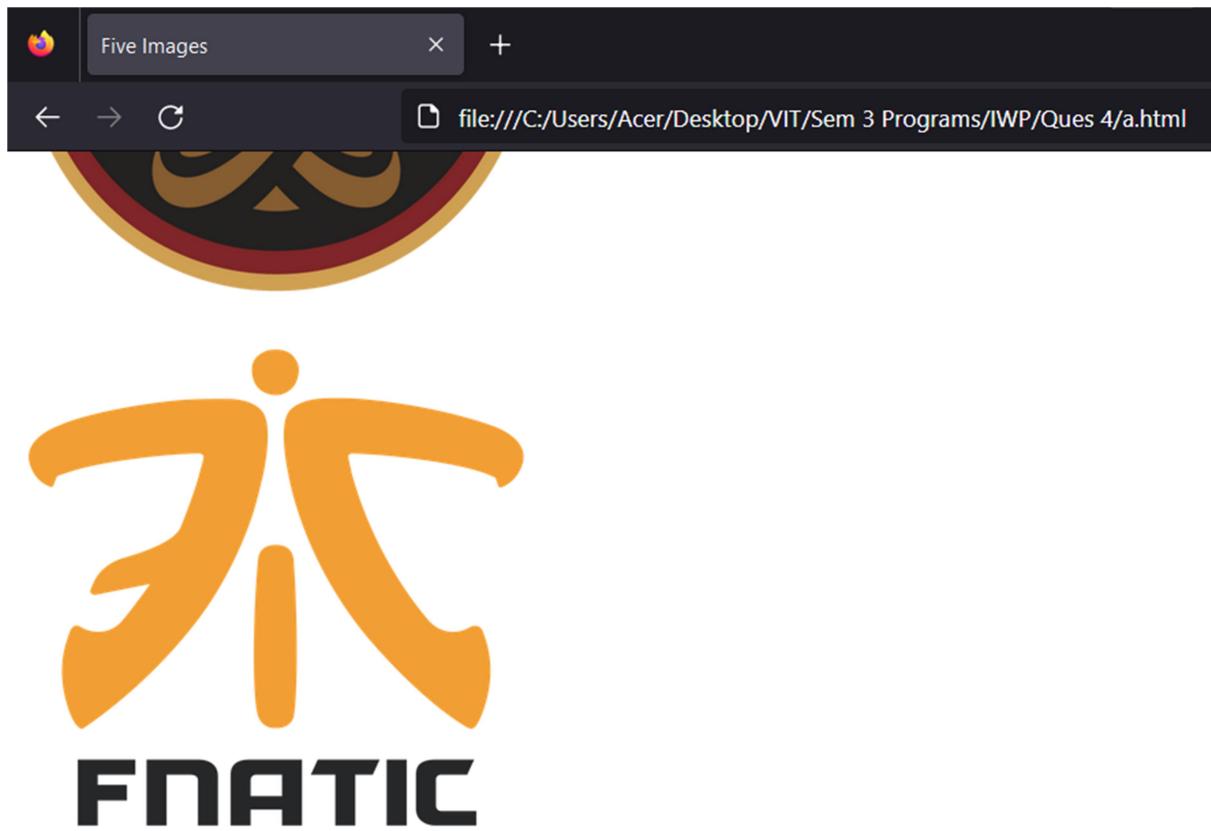
Output:



Esport Teams 2019



FNATIC



b)

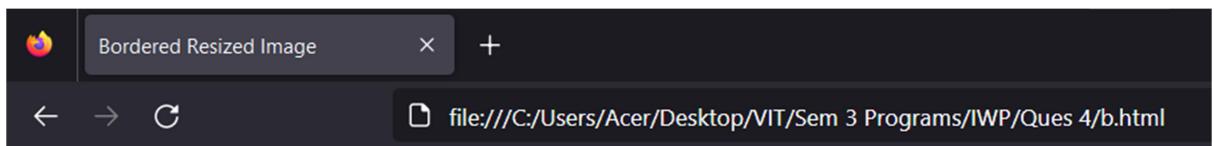
```
<!DOCTYPE html>

<html>
  <head>
    <title>Bordered Resized Image</title>
    <style>
      img
      {
        width: 200px;
        height: 200px;
        border: 2px solid red;
```

```
        }
    </style>
</head>

<body>
    <h1>Bordered Image of Size 200x200</h1>
    <div>
        
    </div>
</body>
</html>
```

Output:



Bordered Image of Size 200x200



c)

```
<!DOCTYPE html>

<html>
    <head>
        <title>Right Corner Image</title>
        <style>
            img
            {
                width: 200px;
                height: 200px;
                float: right;
            }
        </style>
    </head>
```

```
<body>
    
</body>
</html>
```

Output:

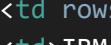


Ques 5) HTML Tables

```
<!DOCTYPE html>

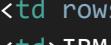
<html>
    <head>
        <meta http-equiv="Expires" content="0"/>
        <title>Ques 5 Tables</title>
        <style>
            .table1 th
            {
                border-spacing: 2px;
                border: 2px inset;
            }
            .table1 td
            {
                border-spacing: 2px;
                border: 2px inset;
            }
            .table1 table
            {
                empty-cells: hide;
                border: 4px outset;
                border-spacing: 4px;
            }
            .table2 th
            {
                border-collapse: collapse;
                border: 4px ridge;
                border-spacing: 0;
                padding: 10px;
                padding-bottom: 20px;
            }
        </style>
    </head>
    <body>
        <table border="1" class="table1">
            <thead>
                <tr>
                    <th>Header 1</th>
                    <th>Header 2</th>
                </tr>
            </thead>
            <tbody>
                <tr>
                    <td>Data 1</td>
                    <td>Data 2</td>
                </tr>
                <tr>
                    <td>Data 3</td>
                    <td>Data 4</td>
                </tr>
            </tbody>
        </table>
        <table border="1" class="table2">
            <thead>
                <tr>
                    <th>Header 1</th>
                    <th>Header 2</th>
                </tr>
            </thead>
            <tbody>
                <tr>
                    <td>Data 1</td>
                    <td>Data 2</td>
                </tr>
                <tr>
                    <td>Data 3</td>
                    <td>Data 4</td>
                </tr>
            </tbody>
        </table>
    </body>
</html>
```

```


| Purchased Equipment (June, 2006) |                                                                                     |                                       |           |
|----------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------|
| Item Num#                        | Item Picture                                                                        | Item Description                      | Price     |
| 1.                               |  | IBM Clone Computer                    | \$ 400.00 |
|                                  |                                                                                     | Shipping, Handling, Installation, etc | \$ 20.00  |

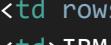

```

```


| Purchased Equipment (June, 2006) |                                                                                     |                                       |           |
|----------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------|
| Item Num#                        | Item Picture                                                                        | Item Description                      | Price     |
| 1.                               |  | IBM Clone Computer                    | \$ 400.00 |
|                                  |                                                                                     | Shipping, Handling, Installation, etc | \$ 20.00  |


```

```


| Purchased Equipment (June, 2006) |                                                                                     |                                       |           |
|----------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------|
| Item Num#                        | Item Picture                                                                        | Item Description                      | Price     |
| 1.                               |  | IBM Clone Computer                    | \$ 400.00 |
|                                  |                                                                                     | Shipping, Handling, Installation, etc | \$ 20.00  |

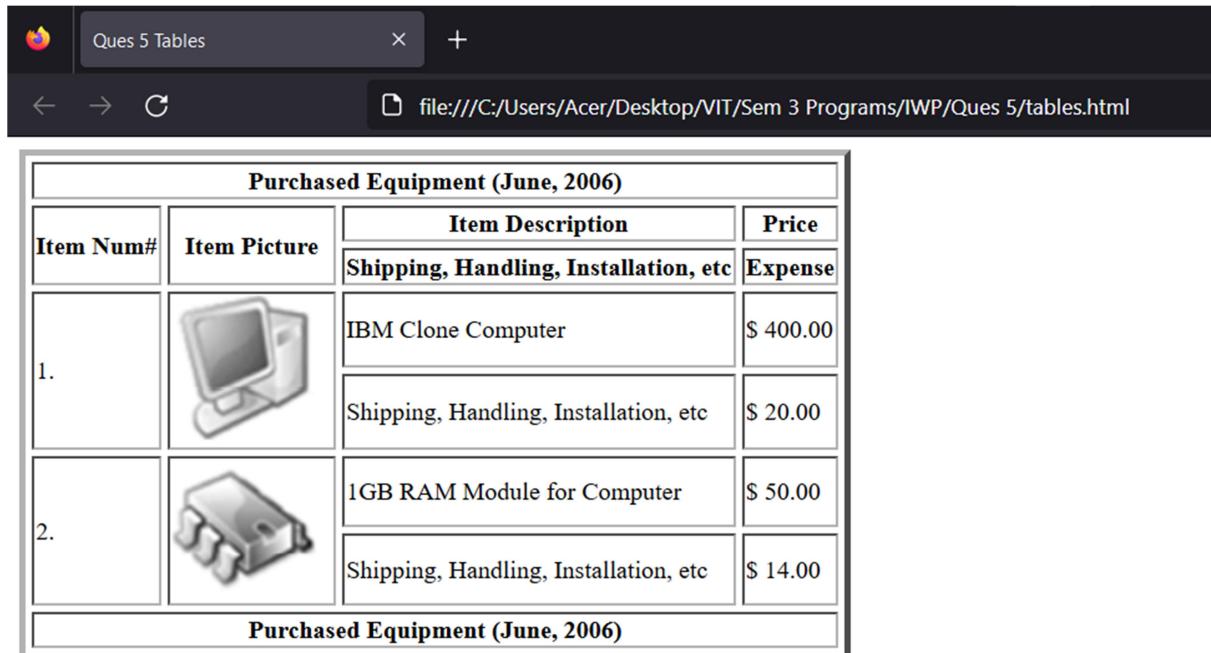

```

```

        </tr>
        <tr>
            <td rowspan="2">2.</td>
            <td rowspan="2"></td>
            <td>1GB RAM Module for Computer</td>
            <td>$ 50.00</td>
        </tr>
        <tr>
            <td>Shipping, Handling, Installation, etc</td>
            <td>$ 14.00</td>
        </tr>
        <tr>
            <th colspan="4">Purchased Equipment (June, 2006)</th>
        </tr>
    </table>
</div>
<br><br>
<div class="table2">
    <table>
        <tr>
            <th colspan="4">Table Heading Cell Spanning 4 Columns</th>
        </tr>
        <tr>
            <td>Normal cell</td>
            <td colspan="2">Cell spanning 2 columns</td>
            <td>Normal cell</td>
        </tr>
        <tr>
            <td style="background-color: gray;" rowspan="3">Cell
spanning 3 rows with a gray (US spelling) background</td>
            <td>Normal cell</td>
            <td>Normal cell</td>
            <td>Normal cell</td>
        </tr>
        <tr>
            <td>Normal cell</td>
            <td rowspan="2" colspan="2">Cell spanning 2 rows and 2
columns</td>
        </tr>
        <tr>
            <td>Normal cell</td>
            <td>Normal cell</td>
            <td>Normal cell</td>
        </tr>
    </table>
</div>
</body>
</html>

```

Output:



The screenshot shows a Firefox browser window with the title "Ques 5 Tables". The address bar displays the URL "file:///C:/Users/Acer/Desktop/VIT/Sem 3 Programs/IWP/Ques 5/tables.html". The main content is a table titled "Purchased Equipment (June, 2006)". The table has four columns: "Item Num#", "Item Picture", "Item Description", and "Price". The "Item Description" column contains two rows: "IBM Clone Computer" and "Shipping, Handling, Installation, etc". The "Price" column contains two rows: "\$ 400.00" and "\$ 20.00". A second row for item 2 is partially visible, showing "1GB RAM Module for Computer" and "Shipping, Handling, Installation, etc". The "Item Picture" column contains two images: a computer monitor and a RAM module.

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

Table Heading Cell Spanning 4 Columns			
Normal cell	Cell spanning 2 columns		Normal cell
Cell spanning 3 rows with a gray (US spelling) background	Normal cell	Normal cell	Normal cell
	Normal cell	Cell spanning 2 rows and 2 columns	
	Normal cell		

Ques 6) HTML Forms

```
<!DOCTYPE html>

<html>
  <head>
    <meta http-equiv="Expires" content="0"/>
    <title>Ques 6 Forms</title>
    <style>
      .form1 th
      {
        padding: 5px;
        border-collapse: collapse;
        border-spacing: 0;
      }
      .form1 td
```

```

        {
            padding: 5px;
            border-spacing: 0;
        }
        .form1 table
        {
            empty-cells: hide;
            border-collapse: collapse;
            border: 2px solid;
            background-color: #f0f0f0;
        }
        .form2 th
        {
            border-spacing: 2px;
            border: 2px inset;
        }
        .form2 td
        {
            border-spacing: 2px;
            border: 2px inset;
        }
        .form2 table
        {
            empty-cells: hide;
            border: 2px outset;
        }
    
```

</style>

</head>

<body>

<div class="form1">

<table>

<form>

<tr style="background-color: lightgray; text-align: right;">

<th style="width: 180px;"></th>

<th style="padding-right: 30px; width: 200px;">The World of Fruit</th>

</tr>

<tr>

<th></th>

<th style="padding-left: 40px;">Fruit Survey</th>

</tr>

<tr>

<td style="text-align: right;">

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

</td>

<td>

```

        <input type="text" name="name" id="name"
width="110px">
    </td>
</tr>
<tr>
    <td style="text-align: right;">
        <label for="addr">Address</label>
    </td>
    <td>
        <input type="text" name="addr" id="addr"
width="110px">
    </td>
</tr>
<tr>
    <td style="text-align: right;">
        <label for="email">Email</label>
    </td>
    <td>
        <input type="email" name="email" id="email"
width="110px">
    </td>
</tr>
<tr>
    <td style="vertical-align: top; text-align: right;">
        <label>How many pieces of fruit do you eat per
day?</label>
    </td>
    <td>
        <input type="radio" name="quantity" id="radio0"
value="0">
        <label for="radio0">0</label><br>
        <input type="radio" name="quantity" id="radio1"
value="1">
        <label for="radio1">1</label><br>
        <input type="radio" name="quantity" id="radio2"
value="2">
        <label for="radio2">2</label><br>
        <input type="radio" name="quantity" id="radio3"
value="3">
        <label for="radio3">More than 2</label>
    </td>
</tr>
<tr>
    <td style="vertical-align: top; text-align: right;">
        <label for="fruits">My favourite fruit</label>
    </td>
    <td>
        <select name="fruits" id="fruits" multiple>

```

```

        <option value="app">Apple</option>
        <option value="ban">Banana</option>
        <option value="plu">Plum</option>
        <option value="pom">Pomegranate</option>
        <option value="gua">Guava</option>
        <option value="man">Mango</option>
    </select>
</td>
</tr>
<tr>
    <td style="text-align: right; padding-left: 10px;">
        <label for="brochure">Would you like a
brochure?</label>
    </td>
    <td>
        <input type="checkbox" name="brochure"
id="brochure" value="yes">
    </td>
</tr>
<tr>
    <td></td>
    <td>
        <input type="submit" name="submit" id="submit"
value="Submit">
        <br><br>
    </td>
</tr>
</form>
</table>
</div>
<br><br>
<div class="form2">
    <table>
        <form>
            <tr>
                <th colspan="2">Pizza Shop 2.0</th>
            </tr>
            <tr>
                <td><label for="name1">Name</label></td>
                <td><input type="text" name="name" id="name1"></td>
            </tr>
            <tr>
                <td><label>Pizza Topping</label></td>
                <td>
                    <input type="radio" name="radiosup" id="radiosup"
value="sup">
                    <label for="radiosup">Supreme</label><br>

```

```

        <input type="radio" name="radiooveg" id="radiooveg"
value="veg">
        <label for="radiooveg">Vegetarian</label><br>
        <input type="radio" name="radiohaw" id="radiohaw"
value="haw">
        <label for="radiohaw">Hawaiian</label>
    </td>
</tr>
<tr>
    <td><label for="sauce">Pizza Sauce</label></td>
    <td>
        <select name="sauce" id="sauce">
            <option value="tom" selected>Tomato</option>
            <option value="chi">Green Chilli</option>
            <option value="sch">Schezwan</option>
        </select>
    </td>
</tr>
<tr>
    <td><label>Optional Extras</label></td>
    <td>
        <input type="checkbox" name="excheese"
id="excheese" value="ech">
        <label for="excheese">Extra Cheese</label>
        <input type="checkbox" name="glufree" id="glufree"
value="gfr">
        <label for="glufree">Gluten Free Base</label>
    </td>
</tr>
<tr>
    <td colspan="2">
        <label for="instr">Delivery
Instructions:</label><br>
        <textarea name="instr" id="instr"
cols="55"></textarea>
    </td>
</tr>
<tr>
    <td colspan="2">
        <input type="submit" name="submit" id="submit1"
value="Send my Order">
    </td>
</tr>
</form>
</table>
</div>
</body>
</html>
```

Output:

Ques 6 Forms

file:///C:/Users/Acer/Desktop/VIT/Sem 3 Programs/IWP/Ques 6/forms.html

The World of Fruit

Fruit Survey

Name

Address

Email

How many pieces of fruit 0
do you eat per day? 1
 2
 More than 2

My favourite fruit
Banana
Plum
Pomegranate

Would you like a brochure?

Submit

Pizza Shop 2.0

Name	<input type="text"/>
Pizza Topping	<input type="radio"/> Supreme <input type="radio"/> Vegetarian <input type="radio"/> Hawaiian
Pizza Sauce	<input type="text" value="Tomato"/>
Optional Extras	<input type="checkbox"/> Extra Cheese <input type="checkbox"/> Gluten Free Base
Delivery Instructions: <input type="text"/>	
Send my Order	

Ques 7) HTML Frames

i) main.html

```
<!DOCTYPE html>

<html>
  <head>
    <meta http-equiv="Expires" content="0" />
    <title>www.amazon.com</title>
  </head>

  <frameset rows="20%, 80%">
    <frame name="top" src="top.html" />
    <frameset cols="30%, 70%">
      <frame name="left" src="left.html" />
      <frame name="right" src="right.html" />
    </frameset>
  </frameset>
</html>
```

ii) left.html

```
<!DOCTYPE html>

<html>
  <head>
    <meta http-equiv="Expires" content="0" />
    <title>left</title>
    <style>
      body {
        background-image: url("bgleft.jpg");
        background-size: cover;
        background-repeat: no-repeat;
        color: red;
        display: flex;
        justify-content: center;
        align-items: center;
        font-size: 1em;
      }
      ul {
        line-height: 50px;
        list-style: none;
      }
      ul li::before {
        content: "\2022";
        color: blue;
        font-size: 1em;
      }
    </style>
  </head>
  <body>
    <ul>
      <li>Home</li>
      <li>Books</li>
      <li>Electronics</li>
      <li>Clothing</li>
      <li>Sports & Outdoors</li>
    </ul>
  </body>
</html>
```

```

        margin-right: 10px;
        margin-left: -1.5em;
        text-decoration: none;
    }
    ul span {
        text-transform: uppercase;
        text-decoration: underline;
        font-weight: bold;
        flex-grow: 1;
    }

```

</style>

</head>

<body>

<div class="left-frame">

user login

user profile

books catalog

shopping cart

order confirmation

cart

</div>

</body>

</html>

iii) right.html

```

<!DOCTYPE html>

<html>
    <head>
        <meta http-equiv="Expires" content="0"/>
        <title>right</title>
        <style>
            body
            {
                background-color: powderblue;
            }
            .column-flex
            {
                display: flex;
                flex-direction: column;
                justify-content: center;
                align-items: center;
            }
            table

```

```

        {
            width: 600px;
            background-color: #d0d0d0;
            border: 8px white inset;
            border-collapse: collapse;
        }
        th, td
        {
            border: 4px white inset;
            border-collapse: collapse;
        }
        .foot
        {
            color: purple;
            text-decoration: underline;
        }
        .heading
        {
            color: purple;
        }
    
```

</style>

</head>

<body>

S. No	User Name	DOB	Address	Occupation
1	Ramu P	23rd May 1982	H. No 22/12/1,M.G. Road, Vij	Engineer
2	Mohan R	12th Jan 1980	H. No 22/12/1,M.G. Road, Vij	Driver

```

<td>3</td>
<td>Pavan V</td>
<td>27th July 1983</td>
<td>H. No 22/12/1,M.G. Road, Vij</td>
<td>Software Engineer</td>
</tr>
<tr>
<td>4</td>
<td>Seshu D</td>
<td>7th Mar 1984</td>
<td>H. No 22/12/1,M.G. Road, Vij</td>
<td>DBA</td>
</tr>
<tr>
<td>5</td>
<td>Surendra</td>
<td>29th May 1982</td>
<td>H. No 22/12/1,M.G. Road, Vij</td>
<td>Professor</td>
</tr>
</table>
<h2 class="foot">Home</h2>
</div>
</body>
</html>

```

iv) top.html

```

<!DOCTYPE html>

<html>
  <head>
    <meta http-equiv="Expires" content="0"/>
    <title>top</title>
    <style>
      .top-frame
      {
        display: flex;
        justify-content: center;
        align-items: center;
        color: red;
        font-size: 20pt;
        text-transform: uppercase;
        font-family: Impact;
      }
    </style>
  </head>

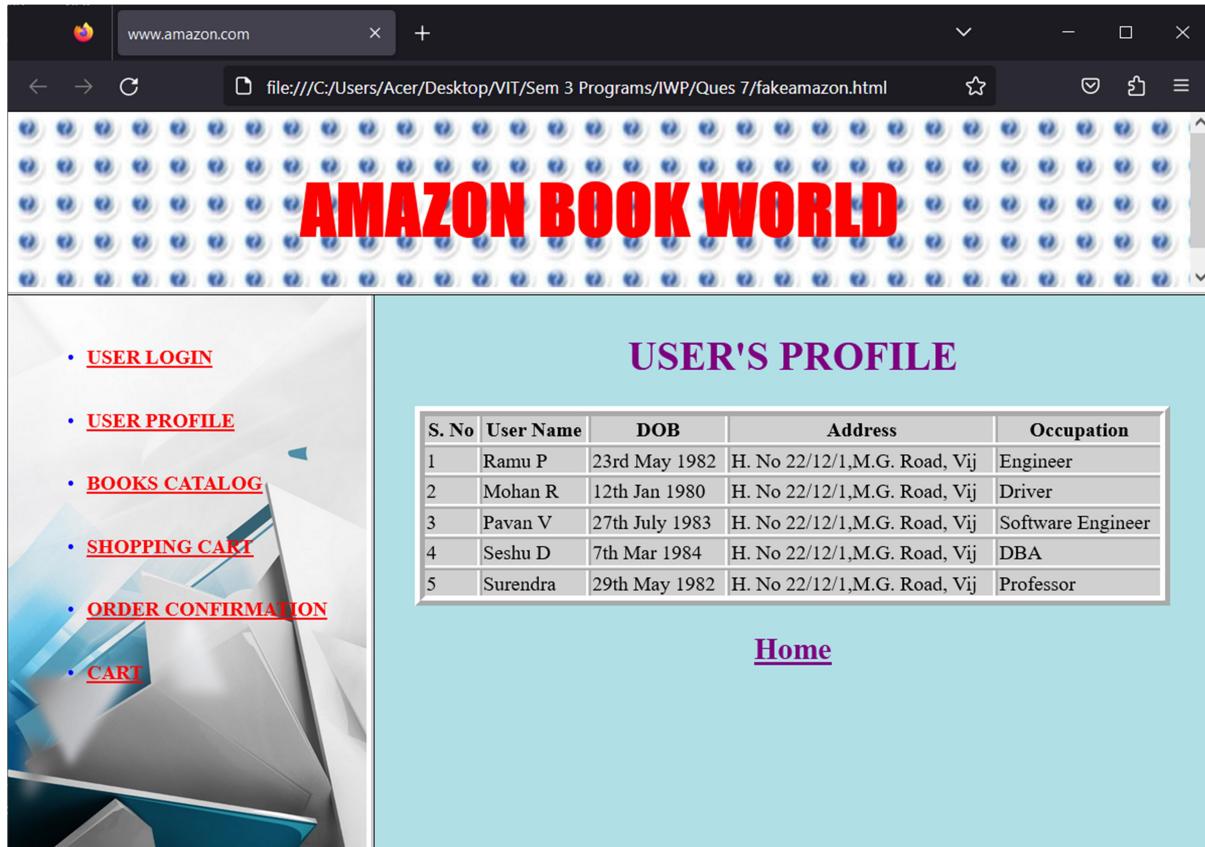
```

```

<body style="background-image: url('bgtop.png'); background-repeat: repeat; background-size: 30px 30px; margin: 10px;">
    <div class="top-frame">
        <h1>Amazon Book World</h1>
    </div>
</body>
</html>

```

Output:



Ques 8) CSS Basics

i) main.html

```

<!DOCTYPE html>

<html>
    <head>
        <meta http-equiv="Expires" content="0"/>
        <title>Ques 8 CSS</title>
        <link rel="stylesheet" href="external.css">
        <style>
            body
            {
                background-color: gray;
            }

```

```

        </style>
    </head>

    <body>
        <div class="main_box">
            <div class="sqr_box">
                <h2>
                    Hello World!
                </h2>
                <p>
                    This example contains some advanced CSS methods you may
not have learned yet.
                </p>
            </div>
        <p style="border: 2px solid; border-top: dotted black; border-
bottom: dashed black; margin-left: 0; width: 800px">
            This is some text in a paragraph.
        </p>
    </div>
</body>
</html>

```

ii) external.css

```

body
{
    background-image: url("tree.png");
    background-position: 60px 50px;
    background-repeat: no-repeat;
    background-size: 500px 600px;
}

h2
{
    font-size: 40pt;
    margin-top: 30px;
    margin-left: 10px;
}

p
{
    font-size: 16pt;
    margin: 40px;
}

.sqr_box

```

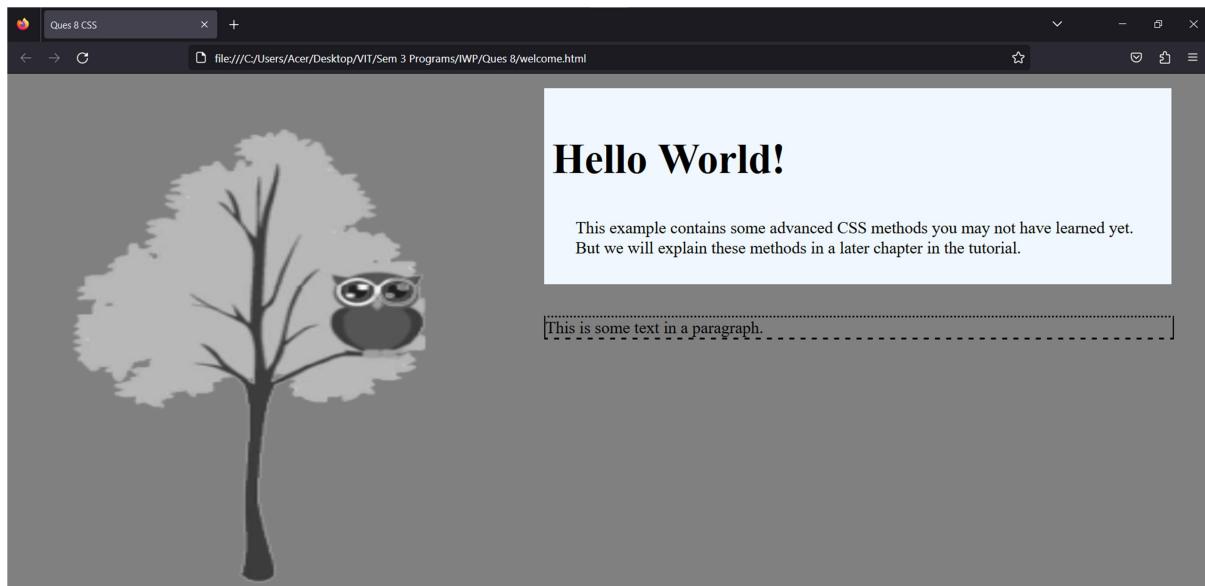
```

{
    width: 800px;
    height: 200px;
    background-color: aliceblue;
    float: right;
    margin-top: 10px;
    margin-right: 40px;
    padding-top: 30px;
    padding-bottom: 20px;
}

.main_box
{
    display: grid;
    grid-template-rows: 1 1;
    float: right;
}

```

Output:



Ques 9) CSS Wall-E

```

<!DOCTYPE html>

<html>
    <head>
        <meta http-equiv="Expires" content="0" />
        <title>www.metacritic.com</title>
        <style>
            body {
                background-color: gray;
                display: flex;
                justify-content: center;

```

```
        align-items: center;
    }

    .main_box {
        width: 80%;
        background-color: white;
        margin-top: 10px;
        display: flex;
        flex-direction: column;
        padding: 20px;
    }

    .review {
        display: flex;
        flex-direction: row;
        justify-content: center;
        align-items: center;
        width: 60%;
    }

    .menu {
        list-style-type: none;
        margin-top: 10px;
        margin-left: -1.2em;
    }

    .menu li {
        list-style: none;
        display: inline-block;
        color: white;
        text-align: center;
        padding-left: 20px;
        padding-right: 20px;
        border-right: 2px;
        text-decoration: none;
        background-color: #111;
    }

    .rating {
        width: 50px;
        height: 65px;
        background-color: green;
        display: flex;
        justify-content: center;
        align-items: center;
        color: white;
        font-family: "Times New Roman", Times, serif;
        font-size: 30pt;
    }
```

```

        padding: 20px;
        margin: 5px;
        transform: translateY(-40%);
    }

    .info li {
        width: 400px;
    }

```

</style>

</head>

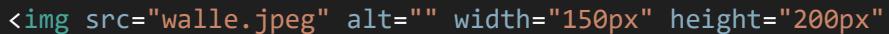
<body>

WALL-E

Walt Disney Studios Motion Pictures |

Release Date : Jan 27, 2008

- Summary
- Critic Reviews
- User Reviews
- Details and Credits
- Trailers and Videos



94

Metascore

Universal Acclaim

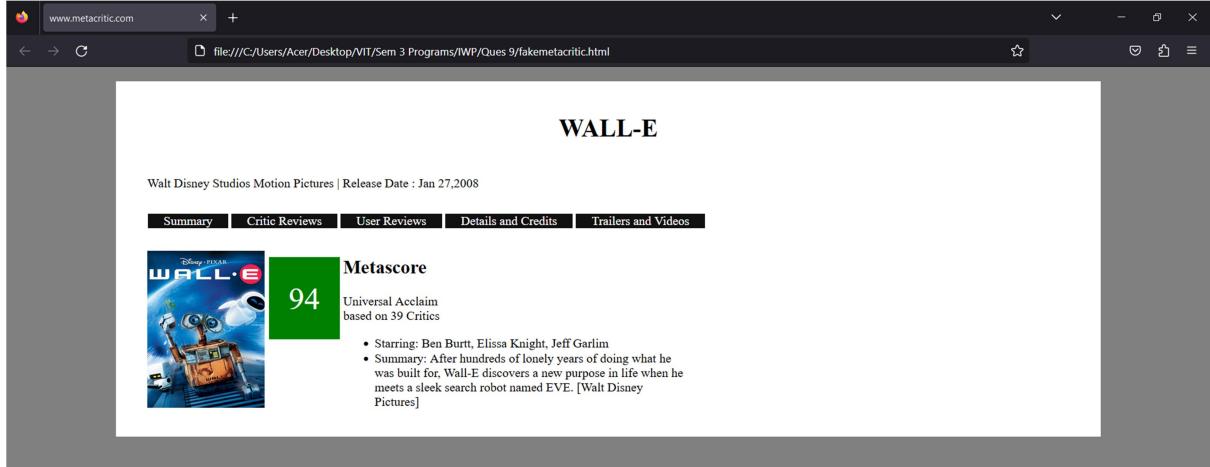
based on 39 Critics

- 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]

```
</body>  
</html>
```

Output:



Ques 14) JavaScript Form Validation

i) main.html

```
<!DOCTYPE html>  
  
<html lang="en">  
  <head>  
    <meta charset="UTF-8" />  
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
    <title>Form Validation Ques 14</title>  
    <link rel="stylesheet" href="form-style.css" />  
    <script src="validator.js"></script>  
  </head>  
  
  <body>  
    <div class="container">  
      <h1>STUDENT REGISTRATION FORM</h1>  
      <form name="form" onsubmit="return validateForm()">  
        <table>  
          <tr>  
            <td class="label">Name:</td>  
            <td>  
              <input type="text" name="name" id="name" />  
            </td>  
          </tr>  
          <tr>  
            <td class="label">Email:</td>  
            <td>
```

```

                <input type="text" name="email" id="email" />
            </td>
        </tr>
        <tr>
            <td class="label">Password:</td>
            <td>
                <input type="password" name="password"
id="password" />
            </td>
        </tr>
        <tr>
            <td class="label">Phone Number:</td>
            <td>
                <input type="text" name="phone" id="phone" />
            </td>
        </tr>
        <tr>
            <td colspan="2" class="submit">
                <input type="submit" value="Submit"
class="submitbutton" />
            </td>
        </tr>
    </table>
</form>
</div>
</body>
</html>
```

ii) validator.js

```

function validateForm() {
    //get the form values by id
    let name = document.getElementById("name").value;
    let email = document.getElementById("email").value;
    let password = document.getElementById("password").value;
    let phone = document.getElementById("phone").value;

    //check if any of the fields are empty
    if (name === "" || email === "" || password === "" || phone === "") {
        alert("All fields are required!");
        return false;
    }

    //check if name is valid
    let namePattern = /^[a-zA-Z\s]{6,}$/;
    if (!name.match(namePattern)) {
        alert("Name must contain alphabets, and be greater than 6
characters!");
    }
}
```

```

        return false;
    }

    //check if email is valid
    let emailPattern = /^[a-zA-Z0-9.-_]+@[\\w]+\\.[\\w]{3}$/;
    if (!email.match(emailPattern)) {
        alert("Invalid email address!");
        return false;
    }

    //check if password is valid
    let passwordPattern = ^.{6,}$$;
    if (!password.match(passwordPattern)) {
        alert("Password must be greater than 6 characters!");
        return false;
    }

    //check if phone number
    let phonePattern = ^\\d{10}$;
    if (!phone.match(phonePattern)) {
        alert("Phone number must be 10 digits exactly!");
        return false;
    }

    return true;
}

```

Output:

STUDENT REGISTRATION FORM

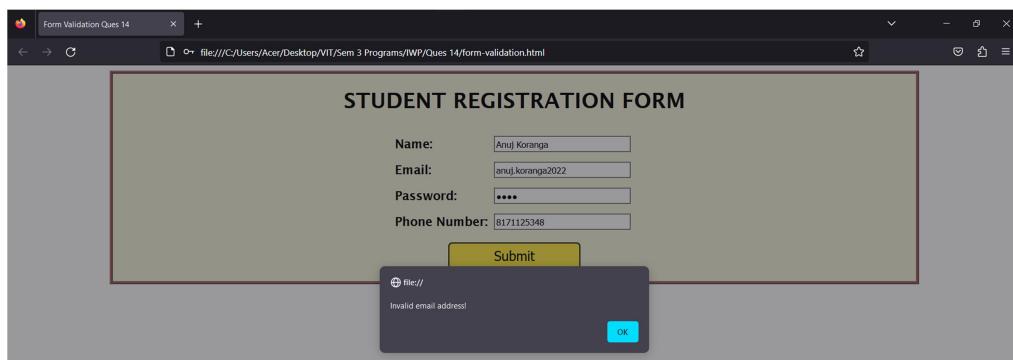
Name: Anuj Koranga

Email: anuj.koranga2022

Password: ****

Phone Number: 8171125348

Submit



Form Validation Ques 14

file:///C:/Users/Acer/Desktop/VIT/Sem 3 Programs/IWP/Ques 14/form-validation.html

STUDENT REGISTRATION FORM

Name: Anuj Koranga

Email: anuj.koranga2022@gmail.com

Password:

Phone Number: 8171125348

Submit

file:///
Password must be greater than 6 characters!

OK

Form Validation Ques 14

file:///C:/Users/Acer/Desktop/VIT/Sem 3 Programs/IWP/Ques 14/form-validation.html

STUDENT REGISTRATION FORM

Name: Anuj Koranga

Email: anuj.koranga2022@gmail.com

Password:

Phone Number: 817112

Submit

file:///
Phone number must be 10 digits exactly!

OK

Form Validation Ques 14

file:///C:/Users/Acer/Desktop/VIT/Sem 3 Programs/IWP/Ques 14/form-validation.html?name=Anuj+Koranga&email=anuj.koranga2022%40gmail.com&