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BCSE203E – Web Programming

## **Assignment 1A**

### **Activity 1: Text formatting and images**

**Aim:** Design a web page “home.html” that describes about you and it include all of the following information • Your name as Heading (use h1) to the webpage and add tagline about you (use h2 and italics). Note: Choose font family and color as per your choice • A description of yourself in minimum 3 paragraphs and justify the text content • Highlight the most important word(s) and infer the differences of bold, strong, emphasize. • Use background colours and text colours appropriately for a good design. • Add your image in left corner of the first paragraph

### **HTML tags need to be used**

<b>Tag</b>	<b>Attributes Used</b>
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<html>	
--------	--

<head>	
--------	--

<title>	
---------	--

<body>	style (background-color, color, font-family)
--------	--

<h1>	style (text-align, color)
------	---------------------------

<h2>	style (text-align, font-style, color)
------	---------------------------------------

<p>	style (text-align)
-----	--------------------

<img>	src, alt, style (float, margin-right, width, border-radius)
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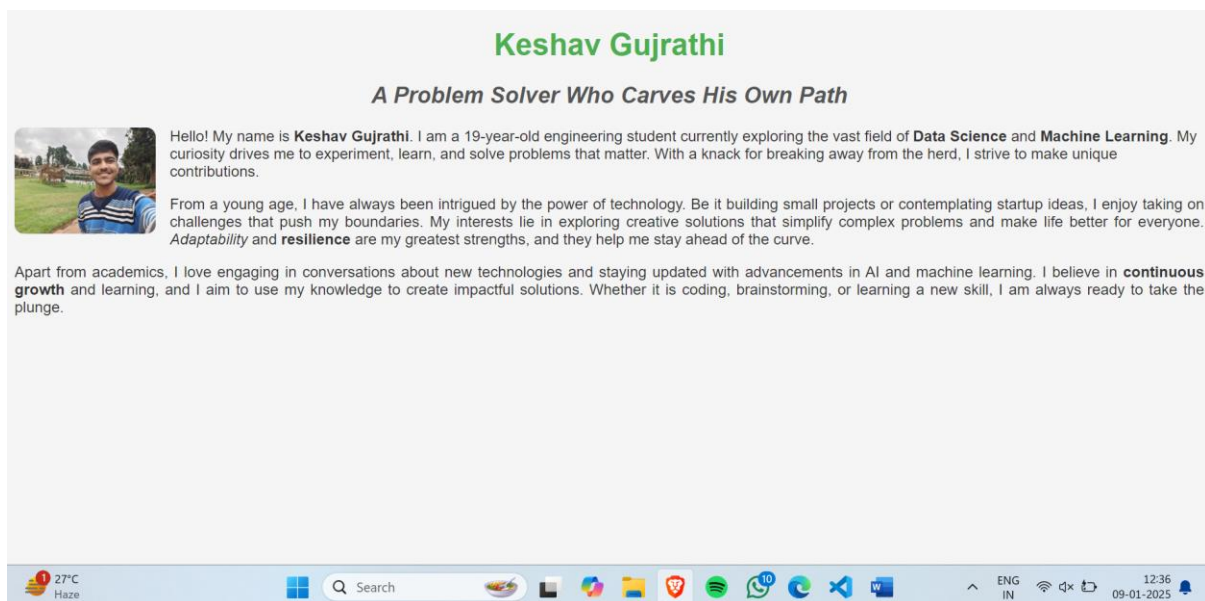
<strong>	
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<em>	
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## Procedure

1. In notepad or any editor or IDE type the necessary code & save with the file name mentioned with .html extension display your time table.
2. To view your web page, simply double click your html file.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Home</title>
5 </head>
6 <body style="background-color: #f5f5f5; color: #333; font-family: Arial, sans-serif;">
7
8   <h1 style="text-align: center; color: #4CAF50;">Keshav Gujrathi</h1>
9   <h2 style="text-align: center; font-style: italic; color: #555;">A Problem Solver Who Carves His Own Path</h2>
10
11   <p>
12     
13     Hello! My name is <strong>Keshav Gujrathi</strong>. I am a 19-year-old engineering student currently exploring the vast field of <s
14   </p>
15
16   <p style="text-align: justify;">
17     From a young age, I have always been intrigued by the power of technology. Be it building small projects or contemplating startup i
18   </p>
19
20   <p style="text-align: justify;">
21     Apart from academics, I love engaging in conversations about new technologies and staying updated with advancements in AI and machi
22   </p>
23 </body>
24 </html>
25
```



## Result:

Thus, a web page was designed using various HTML tags and attributes, and the output was successfully verified.

## **Activity 2: List (list.html)**

**Aim:** Use appropriate list elements to represent the following data • List of courses in Winter 2024-2025. • List the programming languages and provide rating yourself out of 10. • Add reviews or book summary of your 3 favourite movies/books/TV shows/ music concert.

### **HTML tags need to be used**

<b>Tag</b>	<b>Attributes Used</b>
<!DOCTYPE>	-
<html>	lang="en"
<head>	-
<meta>	charset="UTF-8", name="viewport", content="width=device-width, initial-scale=1.0"
<title>	-
<body>	-
<h2>	-
<ul>	-
<li>	-
<ol>	-
<strong>	-
<p>	-

### **Procedure**

1. In notepad or any editor or IDE type the necessary code & save with the file name mentioned with .html extension display your time table.
2. To view your web page, simply double click your html file.

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>List</title>
7  </head>
8  <body>
9
10 <h2>Courses in Winter 2024-2025</h2>
11 <ul>
12   <li>Web Programming</li>
13   <li>Design and Analysis of Algorithms</li>
14   <li>Computer Architecture and Organization</li>
15   <li>Theory of Computation</li>
16   <li>Microprocessors and Microcontrollers</li>
17   <li>Probability and Statistics</li>
18   <li>Quantitative Skills</li>
19 </ul>
20
21 <h2>Programming Languages</h2>
22 <ol>
23   <li>Python - 8/10</li>
24   <li>Java - 6/10</li>
25   <li>C++ - 5/10</li>
26   <li>HTML/CSS - 4/10</li>
27 </ol>
28
29 <h2>Reviews</h2>
```

```
29 <h2>Reviews</h2>
30 <ul>
31   <li>
32     <strong>TV Show:</strong> Breaking Bad
33     <p>An intense and gripping journey of a chemistry teacher turned drug lord. Exceptional storytelling and character development make
34   </li>
35   <li>
36     <strong>Book:</strong> The Name of the Rose by Umberto Eco
37     <p>A captivating historical mystery set in a 14th-century monastery. Its rich detail and intellectual depth make it a profound read
38   </li>
39   <li>
40     <strong>TV Show:</strong> Stranger Things
41     <p>A nostalgic trip back to the 80s with supernatural thrills and heartfelt friendships. A perfect blend of horror, adventure, and
42   </li>
43 </ul>
44 </body>
45 </html>
46
```

## Courses in Winter 2024-2025

- Web Programming
- Design and Analysis of Algorithms
- Computer Architecture and Organization
- Theory of Computation
- Microprocessors and Microcontrollers
- Probability and Statistics
- Quantitative Skills

## Programming Languages

1. Python - 8/10
2. Java - 6/10
3. C++ - 5/10
4. HTML/CSS - 4/10

## Reviews

- **TV Show:** Breaking Bad  
An intense and gripping journey of a chemistry teacher turned drug lord. Exceptional storytelling and character development make it a masterpiece.
- **Book:** The Name of the Rose by Umberto Eco  
A captivating historical mystery set in a 14th-century monastery. Its rich detail and intellectual depth make it a profound reading experience.
- **TV Show:** Stranger Things  
A nostalgic trip back to the 80s with supernatural thrills and heartfelt friendships. A perfect blend of horror, adventure, and coming-of-age drama.

**Result:**

Thus, a web page was designed to display lists, reviews, and ratings, and the output was successfully verified.

**Activity 3: Tables and Hyperlinks (table.html)****Aim:**

Use the tables as depicts in the following figure

r1c1		r1c3	r1c4	r1c5	
		r2c3			
r3c1			r3c4		r3c6
r4c1	r4c2		r4c4	r4c5	
r5c1		r5c3		r5c5	
			r6c4		

**HTML tags need to be used****Tag                      Attributes Used**

<!DOCTYPE> -

<html>            lang="en"

<head>            -

<meta>            charset="UTF-8", name="viewport", content="width=device-width, initial-scale=1.0"

<style>            -

<body>            -

<table>            -

<tr>                -



<td>                colspan, rowspan, class

<img>                src, alt

<a>                   href

```
<body>
<table>
  <tr>
    <td colspan="2" rowspan="2">
      
    </td>
    <td class="filled"></td>
    <td rowspan="2" class="positive-text">
      You are capable of amazing things!
    </td>
    <td colspan="2" rowspan="2"></td>
  </tr>
  <tr>
    <td colspan="2" rowspan="2"><a href="mailto:keshav.gujrathi2023@vitstudent.ac.in">Email</a></td>
  </tr>
  <tr>
    <td colspan="2"><a href="home.html">Home</a></td>
    <td colspan="2"><a href="https://www.google.com/">
      
    </a></td>
    <td></td>
  </tr>
  <tr>
    <td colspan="2" class="filled"></td>
    <td colspan="2" class="filled"></td>
    <td colspan="2" rowspan="2"></td>
  </tr>
  <tr>
    <td colspan="2" class="filled"></td>
    <td colspan="2" class="filled"></td>
  </tr>
</table>
</body>
```

```
<tr>
  <td colspan="2" rowspan="2" class="filled"></td>
  <td rowspan="2" class="positive-text">Believe in yourself!</td>
  <td colspan="2" rowspan="2" class="positive-text">You're doing great!</td>
</tr>
<tr>
  <td class="positive-text">Keep going!</td>
</tr>
</table>
</body>
</html>
```

|   |                       |   |                     |
|---|-----------------------|---|---------------------|
|  |                       | You are capable of amazing things!  |                     |
| <a href="#">Home</a>  | <a href="#">Email</a> |  |                     |
|   |                       |   |                     |
|   | Believe in yourself!  | Keep going!   | You're doing great! |

**Result:**

Thus, a visually structured table incorporating images, hyperlinks, and motivational text was designed, and the output was successfully verified.