Exp.no: 1.a

AIM: Write a HTML program, to explain the working of lists.

DESCRIPTION:

This HTML document demonstrates the use of different types of **lists in HTML**. The background of the page is set to yellow, and the content is organized with headings and examples.

The following list types are shown:

1. **Ordered List (<ol>)**
    - Displays a list of items in a numbered order.
    - Example: *First item, Second item, Third item*.
2. **Unordered List (<ul>)**
    - Displays items with bullets instead of numbers.
    - Example: *Apple, Banana, Cherry*.
3. **Nested List (Unordered inside Ordered)**
    - Demonstrates combining lists by placing an unordered list inside an ordered list item.
    - Example: Fruits → (Mango, Grapes), Vegetables → (Carrot, Broccoli).
4. **Nested List (Ordered inside Unordered)**
    - Shows how an ordered list can be placed inside an unordered list.
    - Example: *Steps to prepare tea → (Boil Water, Add Tea Leaves, Strain and Serve)*.
5. **Definition List (<dl>, <dt>, <dd>)**
    - Used to define terms and their meanings.
    - Example:
        - **HTML** → Hyper Text Markup Language
        - **CSS** → Cascading Style Sheets
        - **JavaScript** → A scripting language for adding interactivity.

PROGRAM:

```
<!DOCTYPE html>
<html>
<head>
   <meta charset="UTF-8">
   <title> HTML LIST EXAMpLE </title>
</head>
<body bgcolor="red">
   <h1>  Demonstration of HTML lists  (24B11CS039) </h1>
   <!-- Ordered List-->
   <h2>1. Ordered List</h2>
   <ol>
      <li>First item</li>
      <li>Second item</li>
      <li>Third item</li>
   </ol>
   <!-- Unordered List-->
  <h2>2. Unordered List</h2>
   <ul>
      <li>Apple</li>
      <li>Banana</li>
      <li>Cherry</li>
   </ul>
   <!-- Nested List-->
  <h2>3. Nested List (Unordered Inside Ordered)</h2>
   <ol>
      <li>Fruits
         <ul>
            <li>Mango</li>
            <li>Grapes</li>
         </ul>
```

```
      </li>
      <li>Vegetables
        <ul>
          <li>Carrot</li>
          <li>Broccoli</li>
        </ul>
      </li>
    </ol>
    <!-- ordered list inside Unordered list-->
    <h2>4. Nested List (ordered Inside Unordered)</h2>
    <ul>
      <li>Steps to prepare tea:
        <ol>
          <li>Boil Water</li>
          <li>Add Tea leaves</li>
          <li>strain ans serve</li>
        </ol>
      </li>
    </ul>
    <!-- Definition list-->
    <h2>5. Definiton List </h2>
    <dl>
      <dt>HTML</dt>
      <dd>Hyper Text Markup Language , Used to create webpages </dd>
      <dt>CSS</dt>
      <dd>Cascading Style Sheets , Used to style HTML elements </dd>
      <dt>Java Script</dt>
      <dd>Hyper A scripting language used to add interactivity to webpages </dd>
    </dl>
  </body>
</html>
```

OUTPUT:

Demonstration of HTML lists (24B11CS039)

1. Ordered List

1. First item
2. Second item
3. Third item

2. Unordered List

- Apple
- Banana
- Cherry

3. Nested List (Unordered Inside Ordered)

1. Fruits
    - Mango
    - Grapes
2. Vegetables
    - Carrot
    - Broccoli

4. Nested List (ordered Inside Unordered)

- Steps to prepare tea:
    1. Boil Water
    2. Add Tea leaves
    3. strain ans serve

5. Definiton List

HTML
: Hyper Text Markup Language , Used to create webpages

CSS
: Cascading Style Sheets , Used to style HTML elements

Java Script
: Hyper A scripting language used to add interactivity to webpages

RESULT:

Exp.no: 1.b

AIM: Write a HTML program, to explain the working of hyperlinks using <a> tag and href, target Attributes.

DESCRIPTION:

This HTML document demonstrates the use of **hyperlinks** (<a> tag) in two different ways — text links and image links.

1. **Heading**
    - The page starts with a main heading: *"Demonstrating Hyperlinks in HTML (24B11CS039)"*.
2. **Text Hyperlink**
    - A clickable text link is created using the <a> tag with the href attribute.
    - Example: *Visit Aditya Engineering College Website* → clicking the text redirects the user to the official website.
3. **Image Hyperlink**
    - Shows how an image or text can be used as a hyperlink.
    - The code uses the <a> tag with the href attribute pointing to an external webpage.
    - When clicked, it should open the **Gallery Page (AEC site)** in a new tab (target="_blank")

PROGRAM:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <title>Hyperlink Example</title>
</head>
<body>

   <h1>Demonstrating Hyperlinks in HTML (24B11CS039)</h1>
   <!-- Text Hyperlink -->
   <h2>1. Text Link using</h2>
   <p>
      Visit <a href="https://adityauniversity.in/">Aditya Engineering College Website</a>.
   </p>
   <!-- Image Hyperlink -->
   <h2>2. Image Link using &lt;a&gt; and href</h2>
   <p>
      Click the image below to visit the <strong>Gallery Page</strong>:
      <a hrefc:"\Users\DEEVENA\OneDrive\Documents\Downloads\WhatsApp Image 2025-09-01 at
23.35.42_e62f2ad7.jpg " target="_blank">Photo
   </p>
   <a href="https://www.aec.edu.in">
</body>
</html>
```

OUTPUT:

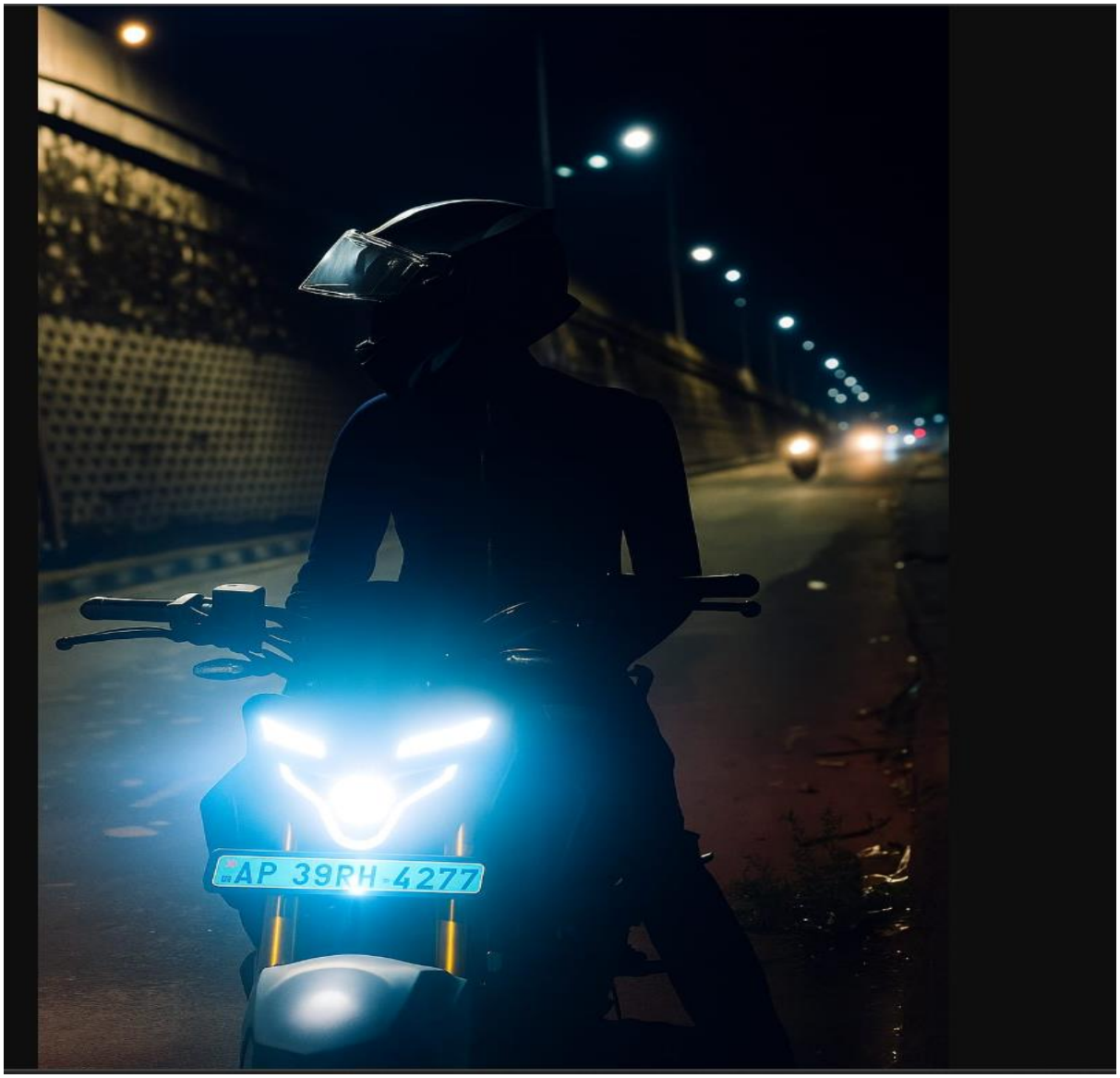
Demonstrating Hyperlinks in HTML (24B11CS039)

1. Text Link using

Visit Aditya Engineering College Website.

2. Image Link using <a> and href

Click the image below to visit the **Gallery Page**: Photo



RESULT

Exp.no: 1.c

AIM: Write a HTML program, to explain the working of hyperlinks using <a> tag and href, target Attributes.

DESCRIPTION:

This HTML document creates a simple profile page with clickable images that act as hyperlinks to social media profiles. The background color of the page is set to yellow.

1. **Heading**
    - **Displays the title *"My profile and My Friend's profile"*.**
2. **My Profile (Instagram link)**
    - **An <a> tag with the href attribute links to your Instagram profile.**
    - **Inside it, an <img> tag is used to display your profile picture.**
    - **When the image is clicked, it opens your Instagram page in a new browser tab (target="_blank").**
3. **Friend's Profile (LinkedIn link)**
    - **Another <a> tag links to your friend's LinkedIn profile.**
    - **An image is displayed, and clicking on it redirects to the LinkedIn page in a new tab.**

PROGRAM:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <title>PROFILE</title>

</head>
<body bgcolor="orange">

   <h1>My profile and My Friend's profile (24B11CS039)</h1>

   <!-- My profile -->

      <a href="https://www.instagram.com/mahi._.003._/
 " target="_blank">
         <img src="c:\Users\DEEVENA\OneDrive\Documents\Downloads\WhatsApp Image 2025-09-
01 at 23.35.42_e62f2ad7.jpg
 "  width="150" height="150">
      </a>
   <!-- My profile -->

      <a href="https://www.instagram.com/___.eevs._/?next=%2F " target="_blank">
         <img src="c:\Users\DEEVENA\OneDrive\画像\me.jpg
 "  width="150" height="150">
      </a>

</body>
</html>
```

OUTPUT:

RESULT:

Exp.no: 1.d

AIM: Write a HTML program, in such a way that, rather than placing large images on a page, the preferred technique is to use thumbnails by setting the height and width parameters to something like to 100*100 pixels. Each thumbnail image is also a link to a full sized version of the image. Create an image gallery using this technique.

DESCRIPTION:

This HTML document creates a thumbnail image gallery where users can click small images (thumbnails) to open the full-sized images in a new tab. It also applies styling with CSS to make the gallery visually appealing.

🔑 **Key Features:**

1. **Page Setup**
    - **Title: *Thumbnail Image Gallery*.**
    - **Heading (<h1>) → *"My Image Gallery (24B11CS002)"*.**
    - **Paragraph explains → *"Click on a thumbnail to view the full-sized image"*.**
2. **CSS Styling (<style>)**
    - **Uses flexbox (display: flex; flex-wrap: wrap; justify-content: center;) for arranging thumbnails neatly.**
    - **Adds gap of 15px between images.**
    - **Thumbnails styled with:**
        - **Fixed size → 100px × 100px.**
        - **Rounded corners (border-radius: 8px).**
        - **Border (2px solid #ccc).**
        - **Smooth hover effect → image enlarges (transform: scale(1.2)) and border color changes.**
3. **Gallery Section ( )**
    - **Each image is wrapped in an <a> tag.**
    - **Clicking the thumbnail opens the full image in a new tab (target="_blank").**
    -

PROGRAM:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Thumbnail Image Gallery</title>
  <style>
    body{
      font-family: arial,sans-serif;
      text-align: center;
    }
    .gallery{
      display: flex;
      flex-wrap: wrap;
      justify-content: center;
      gap: 15px;
      margin-top: 20px;
    }
    .gallery a img{
      width: 100px;
      height: 100px;
      object-fit: cover;
      border: 2px solid #ccc;
      border-radius: 8px;
      transition:transform 0.3s;
    }
    .gallery a img:hover{
      transform: scale(1.2);
      border-color: #666;
    }
```

```
  </style>
</head>
<body >
    <h1>My image Gallery (24B11CS039)</h1>
  <p>Click on a thumbnail to view the full- sized image</p>

  <div class="Gallery">
    <a href="c:\Users\DEEVENA\OneDrive\Documents\Downloads\WhatsApp Image 2025-09-01 at 23.35.42_e62f2ad7.jpg" target="_blank">
      <img src="c:\Users\DEEVENA\OneDrive\Documents\Downloads\WhatsApp Image 2025-09-01 at 23.35.42_e62f2ad7.jpg" alt="Image 1" width="100" height="100">
    </a>

    <a href="c:\Users\DEEVENA\OneDrive\画像\Saved Pictures\WhatsApp Image 2024-08-18 at 20.49.04_2c01efd2.jpg" target="_blank">
      <img src="c:\Users\DEEVENA\OneDrive\画像\Saved Pictures\WhatsApp Image 2024-08-18 at 20.49.04_2c01efd2.jpg" alt="Image 2" width="100" height="100">
    </a>

    <a href="c:\Users\DEEVENA\OneDrive\画像\Saved Pictures\WhatsApp Image 2024-08-18 at 20.55.28_e3cc0d57.jpg" target="_blank">
      <img src="c:\Users\DEEVENA\OneDrive\画像\Saved Pictures\WhatsApp Image 2024-08-18 at 20.55.28_e3cc0d57.jpg" alt="Image 3" width="100" height="100">
    </a>

    <a href="c:\Users\DEEVENA\Downloads\ChatGPT Image Mar 29, 2025, 08_12_49 PM.png" target="_blank">
      <img src="c:\Users\DEEVENA\Downloads\ChatGPT Image Mar 29, 2025, 08_12_49 PM.png" alt="Image 4" width="100" height="100">
    </a>

    <a href="c:\Users\DEEVENA\Downloads\piclumen-1738220006448.png" target="_blank">
      <img src="c:\Users\DEEVENA\Downloads\piclumen-1738220006448.png" alt="Image 4" width="100" height="100">
```

```
    </a>


</body>

</html>
```

OUTPUT:

C:/Users/DEEVENA/1.d.html

My image Gallery (24B11CS039)

Click on a thumbnail to view the full- sized image

RESULT: