

## **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="yellow">
    <h1> Demonstration of HTML lists (24B11CS171) </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>
            </ul>
        </li>
    </ol>
```

```
<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 (24B11CS171)**

## **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. Definition 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 (24B11CS250)*”.

**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 (24B11CS171)</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 href="C:\Users\krish\OneDrive\Pictures\Saved Pictures\tiny.jpg"
        "target=_blank">Photo
    </p>
    <a href="https://www.aec.edu.in">
</body>
</html>
```

**OUTPUT:**

## **Demonstrating Hyperlinks in HTML (24B11CS171)**

### **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 [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 [tag with the href attribute links to your Instagram profile.](#)
- Inside it, an 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 [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="yellow">

<h1>My profile and My Friend's profile (24B11CS171)</h1>

<!-- My profile -->
<a href="https://www.linkedin.com/in/krishna-manohar-lingam-703628377/" target="_blank">
    
</a>
<!-- My profile -->

<a href="https://www.linkedin.com/in/mahendra-varma-kakarlapudi-20343733b/" target="_blank">
    
</a>
</body>
</html>
```

## OUTPUT:





**Yaswanth Kakarla** · 1st  
Attended Aditya University  
Kakinada, Andhra Pradesh, India · [Contact info](#)

**11 connections**

 Mahendra Varma Kakarlapudi, SUMAIR SHAIK, and 1 other mutual connection

[Message](#) [More](#)

## 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.

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### **F Key Features:**

#### **1. Page Setup**

- Title: *Thumbnail Image Gallery*.
- Heading (<h1>) → “*My Image Gallery (24B11CS250)*”.
- 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 (<div class="gallery">)**

- 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:
        }
    </style>
</head>
<body>
    <div class="gallery">
        <a href="#">
            
        </a>
        <a href="#">
            
        </a>
    </div>
</body>
</html>
```

}

```
</style>
</head>
<body >
<h1>My image Gallery (24B11CS171)</h1>
<p>Click on a thumbnail to view the full- sized image</p>

<a href="C:\Users\krish\Pictures\Saved Pictures\tiger.jpeg" target="_blank">
    
</a>

<a href="C:\Users\krish\Pictures\Saved Pictures\bear.jpg" target="_blank">
    
</a>

<a href="C:\Users\krish\Pictures\Saved Pictures\lion.jpg" target="_blank">
    
</a>

<a href="C:\Users\krish\Pictures\Saved Pictures\elephant.jpg" target="_blank">
    
</a>
```

```
<a href="C:\Users\krish\Pictures\Saved Pictures\deer.jpg" target="_blank">  
      
</a>  
</body>  
</html>
```

**OUTPUT:**

## My image Gallery (24B11CS171)

Click on a thumbnail to view the full- sized image



**RESULT:**