

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 ()

- Displays a list of items in a numbered order.
- Example: *First item, Second item, Third item.*

2. Unordered List ()

- 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 (24B11CS250) </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 (24B11CS250)

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 (24B11CS250)</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 (24B11CS250)

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 (24B11CS250)</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:



A screenshot of a LinkedIn profile page. At the top, there is a navigation bar with the LinkedIn logo, a search bar, and links for Home, My Network (with 4 notifications), Jobs, Messaging, and Notifications. The main profile area shows a large circular placeholder with a blue plus sign. Below it, the profile information is displayed: the name "Lingam Krishna Manohar", a "Add verification badge" button, the text "Attended Aditya University", the location "Kakinada, Andhra Pradesh, India", and a "Contact info" link. It also shows "14 connections". At the bottom of the profile section, there are buttons for "Open to", "Add profile section", "Enhance profile", and "Resources".

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 (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 → $100\text{px} \times 100\text{px}$.
 - 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 >
<h1>My image Gallery (24B11CS250)</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 (24B11CS250)

Click on a thumbnail to view the full- sized image



RESULT: