**WEB-PROGRAMMING (WEEK-3)**

1. What are lists in HTML language and types of Lists?
2. There are 2 types of lists and they are:

* Ordered Lists
* Unordered Lists

**Ordered Lists:**

* An ordered list starts with the <ol> tag. Each list item starts with the <li> tag.The list items will be marked with numbers by default.
* The HTML <ol> tag defines an ordered list. An ordered list can be numerical or alphabetical.

**Type attributes in Ordered list:**

The type attribute of the <ol> tag, defines the type of the list item marker:

|  |  |
| --- | --- |
| **Type** | **Description** |
| type="1" | The list items will be numbered with numbers (default) |
| type="A" | The list items will be numbered with uppercase letters |
| type="a" | The list items will be numbered with lowercase letters |
| type="I" | The list items will be numbered with uppercase roman numbers |
| type="i" | The list items will be numbered with lowercase roman numbers |

**Syntax: (ordered list)**

<ol type=””>

<li>………………………………….</li>

<li> …………………………………..</li>

<li>………………………………….</li>

<ol>

* Use the HTML <ol> element to define an ordered list
* Use the HTML type attribute to define the numbering type
* Use the HTML <li> element to define a list item
* Lists can be nested
* List items can contain other HTML elements

**Unordered List:**

* An unordered list starts with the <ul> tag. Each list item starts with the <li> tag.
* The list items will be marked with bullets (small black circles) by default
* The HTML <ul> tag defines an unordered (bulleted) list.

**Type attributes in unordered lists:**

* The type attribute of the <ul> tag, defines the type of the list item marker:

|  |  |
| --- | --- |
| **Value** | **Description** |
| disc | Sets the list item marker to a bullet (default) |
| circle | Sets the list item marker to a circle |
| square | Sets the list item marker to a square |
| none | The list items will not be marked |

**Unordered lists syntax:**

<ul type=””>

<li>……………………………….</li>

<li>………………………………..</li>

<li>…………………………………</li>

<ul>

**Video Tag:**

The <video> tag is used to embed video content in a document, such as a movie clip or other video streams.

The <video> tag contains one or more [<source>](https://www.w3schools.com/tags/tag_source.asp) tags with different video sources. The browser will choose the first source it supports.

The text between the <video> and </video> tags will only be displayed in browsers that do not support the <video> element.

There are three supported video formats in HTML: MP4, WebM, and OGG.

**Attributes in video tag:**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| [autoplay](https://www.w3schools.com/tags/att_video_autoplay.asp) | autoplay | Specifies that the video will start playing as soon as it is ready |
| [controls](https://www.w3schools.com/tags/att_video_controls.asp) | controls | Specifies that video controls should be displayed (such as a play/pause button etc). |
| [height](https://www.w3schools.com/tags/att_video_height.asp) | *pixels* | Sets the height of the video player |
| [loop](https://www.w3schools.com/tags/att_video_loop.asp) | loop | Specifies that the video will start over again, every time it is finished |
| [muted](https://www.w3schools.com/tags/att_video_muted.asp) | muted | Specifies that the audio output of the video should be muted |
| [poster](https://www.w3schools.com/tags/att_video_poster.asp) | *URL* | Specifies an image to be shown while the video is downloading, or until the user hits the play button |
| [preload](https://www.w3schools.com/tags/att_video_preload.asp) | auto metadata none | Specifies if and how the author thinks the video should be loaded when the page loads |
| [src](https://www.w3schools.com/tags/att_video_src.asp) | *URL* | Specifies the URL of the video file |
| [width](https://www.w3schools.com/tags/att_video_width.asp) | *pixels* | Sets the width of the video player |

**Syntax for Video tag:**

<video width = “ “ height = “ ” poster = “.png/.jpeg/url“ controls>

<source src = “url or path of file.mp4” type = “video/mp4”>

(or)

<source src = “url or path of file.ogg” type = “video/ogg”>

</video>

**Audio Tag:**

The <audio> tag is used to embed sound content in a document, such as music or other audio streams.

The <audio> tag contains one or more [<source>](https://www.w3schools.com/tags/tag_source.asp) tags with different audio sources. The browser will choose the first source it supports.

The text between the <audio> and </audio> tags will only be displayed in browsers that do not support the <audio> element.

There are three supported audio formats in HTML: MP3, WAV, and OGG.

**Attributes in Audio tag:**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| [autoplay](https://www.w3schools.com/tags/att_audio_autoplay.asp) | autoplay | Specifies that the audio will start playing as soon as it is ready |
| [controls](https://www.w3schools.com/tags/att_audio_controls.asp) | controls | Specifies that audio controls should be displayed (such as a play/pause button etc) |
| [loop](https://www.w3schools.com/tags/att_audio_loop.asp) | loop | Specifies that the audio will start over again, every time it is finished |
| [muted](https://www.w3schools.com/tags/att_audio_muted.asp) | muted | Specifies that the audio output should be muted |
| [preload](https://www.w3schools.com/tags/att_audio_preload.asp) | auto metadata none | Specifies if and how the author thinks the audio should be loaded when the page loads |
| [src](https://www.w3schools.com/tags/att_audio_src.asp) | *URL* | Specifies the URL of the audio file |

**Syntax for Audio Tag:**

<audio controls>

<source src = “url or path of file.mp3” type = “audio/mpeg”>

(or)

<source src = “url or path of file.ogg” type = “audio/ogg”>

</audio>