

# HTML-02

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# Adding Audio

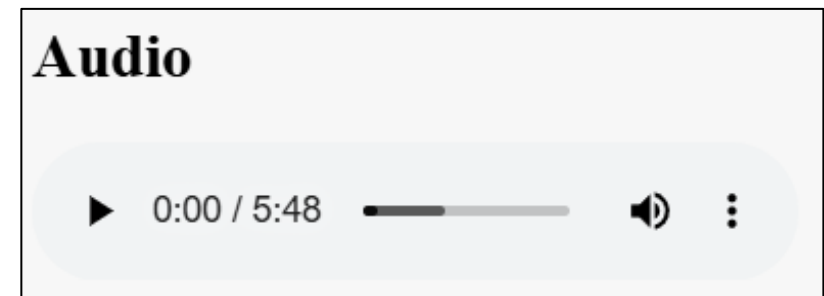
---

Specify the name of the audio file in the src attribute and use the controls attribute to provide playback controls.

If the file is not supported in the browser then it will show the content

```
<body>
  <h2>Audio</h2>
  <audio src="https://www.learningcontainer.com/wp-
content/uploads/2020/02/Kalimba.mp3" controls>
    The audio is not supported </audio>
</body>
```

## Output



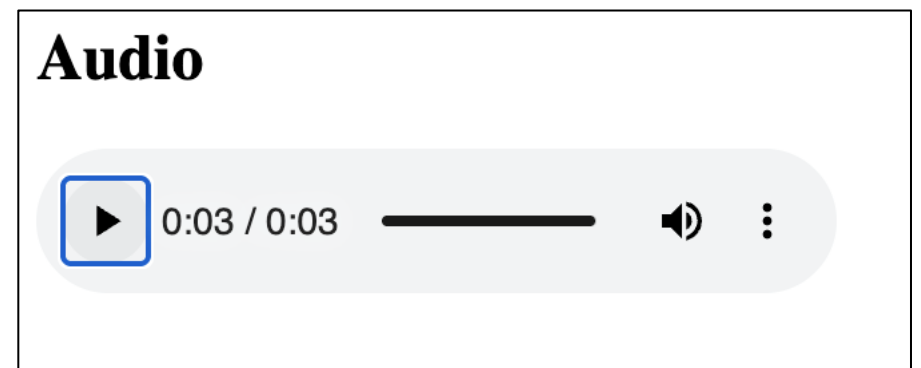
# Adding Audio (Cont'd)

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We can provide multiple source files so that if one format is not supported by the browser, it can fall back to the next available one.

```
<body>
<h2>Audio</h2>
<audio controls>
  <source src="StarWars3.wav" />
  <source src="StarWars3.mp3" />
  This audio is not supported
</audio>
</body>
```

## Output



# Adding Video

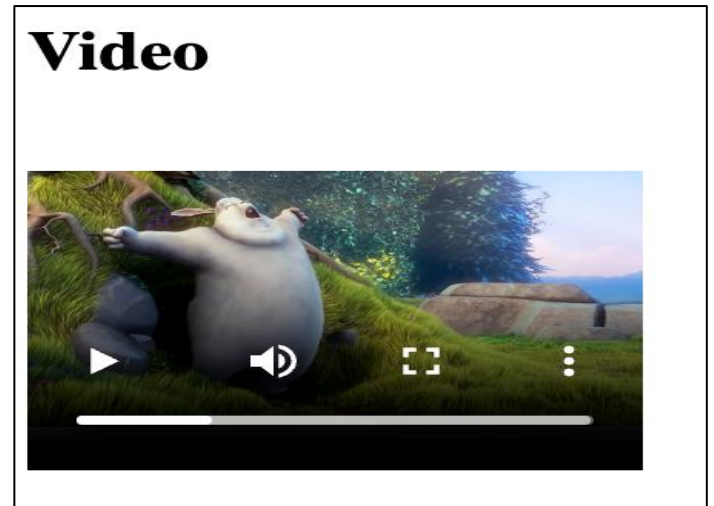
---

Specify the name of the video file in the src attribute and use the controls attribute to provide playback controls.

If the file is not supported in the browser then it will show the content.

```
<body>  
<h2>Video</h2>  
<video src="SampleVideo.mp4" controls width="200px"  
height="150px">Video is not supported</video>  
</body>
```

## Output



# Adding Video (Cont'd)

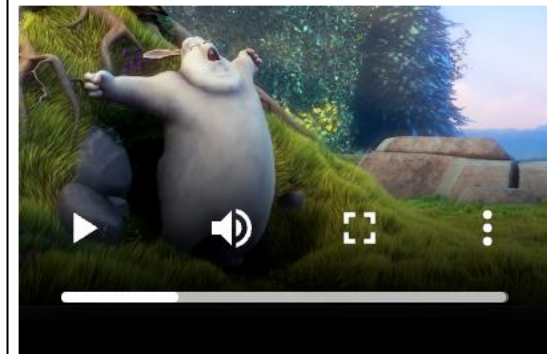
---

We can provide multiple source files so that if one format is not supported by the browser, it can fall back to the next available one.

```
<body>
<h2>Video</h2>
<video controls width="200px" height="150px">
  <source src="SampleVideo.mp4">
  <source src="SampleVideo.mov">
  Video is not supported </video>
</body>
```

## Output

### Video



# Interactive Element Tag

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Interactive Tags Are Those That Allow User Interaction — Like Clicking, Typing, Selecting, Or Submitting Data.

- `<form>`
- `<input>`
- `<textarea>`
- `<button>`
- `<select>`
- `<option>`
- `<label>`
- `<fieldset>`
- `<legend>`
- `<datalist>`
- `<details>`
- `<summary>`
- `<a>`

# HTML <form>, <input>, and <label>

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- <form>: Defines the form structure.
- <input>: Creates input fields.
- <label>: Describes the input field. Improves accessibility and usability.  
The for attribute in a <label> tells the browser **which input field this label is for**.

# Common <input> attributes

---

**type:** Type of input (e.g., text, submit, radio, password etc).

**name:** Key used when sending data to server.

**placeholder:** Hint text inside input.

**required:** Field must be filled before submitting.

```
<body>
<form>
<label for="username1">User_name: </label>
<input type="text" name="User_name" id="username1"
placeholder="Enter your name" required>
</form>
</body>
```

## Output

User\_name:



# Common <input> attributes

**type:** Type of input (e.g., email, password, checkbox, age, number, date etc).

```
<body>
<form>
<label for="email">Email:</label>
<input type="email" id="email" name="email" placeholder="Enter
your email" required><br>
<label for="password">Password:</label>
<input type="password" id="password" name="password"
placeholder="Enter your password" required><br>
<input type="checkbox" name="subscribe"
value="newsletter">Subscribe to newsletter <br>
<label for="age">Age:</label>
<input type="number" id="age" name="age" min="1" max="120"
placeholder="Enter your age"><br>
<label for="birthDate">Date of Birth:</label>
<input type="date" id="birthDate" name="birthDate"><br>
</form>
</body>
```

## Output

Email:

Password:

☐ Subscribe to newsletter

Age:

Date of Birth:  

# Common <input> attributes (Cont'd)

---

- All options with the same name belong to one group.
- Only **one option** can be selected within that group.

```
<form>
  <p>Select your favorite brand:</p>

  <input type="radio" id="apple" name="brand"
value="apple" checked>
  <label for="apple">Apple</label><br>

  <input type="radio" id="samsung" name="brand"
value="samsung">
  <label for="samsung">Samsung</label>
</form>
```

## Output

Select your favorite brand:

- ☒ Apple  
☐ Samsung

# Common <input> attributes (Cont'd)

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```
<body>  
<form>  
<input type="submit" value="Click">  
</form>  
</body>
```

Output



# Common <input> attributes (Cont'd)

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- **textarea** Used to create a **multi-line** text input field.
- Unlike <input>, allows users to enter **longer text** (e.g., comments, messages).
- Can set **rows** and **cols** to define size.

```
<body>
<form>
<textarea rows="4" cols="30" placeholder="Enter your message
here"></textarea>
</form>
</body>
```

Output

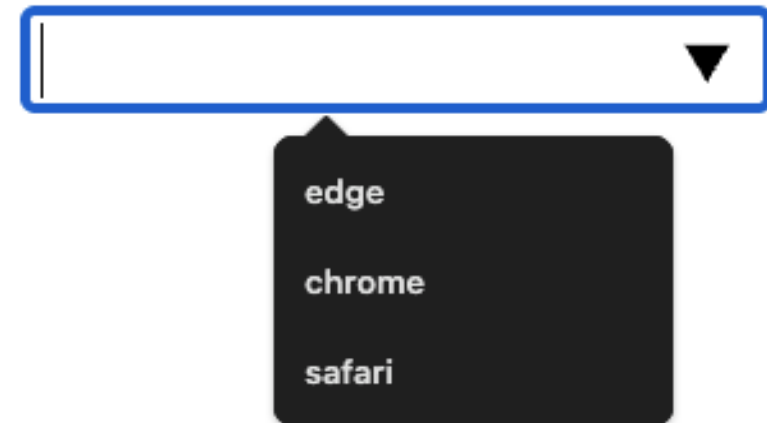


# <datalist> with <input>

- <datalist> provides a list of **predefined options** for an <input> field.
- User can **select from the list** or **type their own** input.
- <input list="browser"> connects to <datalist id="browser">.

```
<body>
<form>
<input list="browser">
<datalist id="browser">
<option value="edge"></option>
<option value="chrome"></option>
<option value="safari"></option>
</datalist>
</form>
</body>
```

## Output



The image shows a visual representation of the HTML code. It features a text input field with a blue border and a small downward-pointing triangle on the right side, indicating a dropdown menu. Below the input field, a dark gray menu is open, displaying three options: 'edge', 'chrome', and 'safari' in white text.

# <select> and <option> in HTML

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- **<select>**: Creates a **dropdown list**.
- **<option>**: Defines each item in the dropdown.
- **value**: Sent to the server when the form is submitted.

```
<body>
<form>
Select your country
<select id="country" name="country" required>
<option value="bangladesh">Bangladesh</option>
<option value="germany">Germany</option>
<option value="sweden">Sweden</option>
</select>
</form>
</body>
```

## Output

Select your country Bangladesh ▾

# details Tag

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- **<details>**: Creates a collapsible section.
- **<summary>**: The visible heading or title of the collapsible content.
- Clicking the summary **shows or hides** the hidden content.

```
<body>
<details>
<summary> Click to see magic </summary>
<p> My Name is Md. Manirujjaman.<br>I am from
Jolshiri.<br>I am a faculty member of Dhaka
International University.</p>
</details>
</body>
```

## Output

▶ Click to see magic

▼ Click to see magic

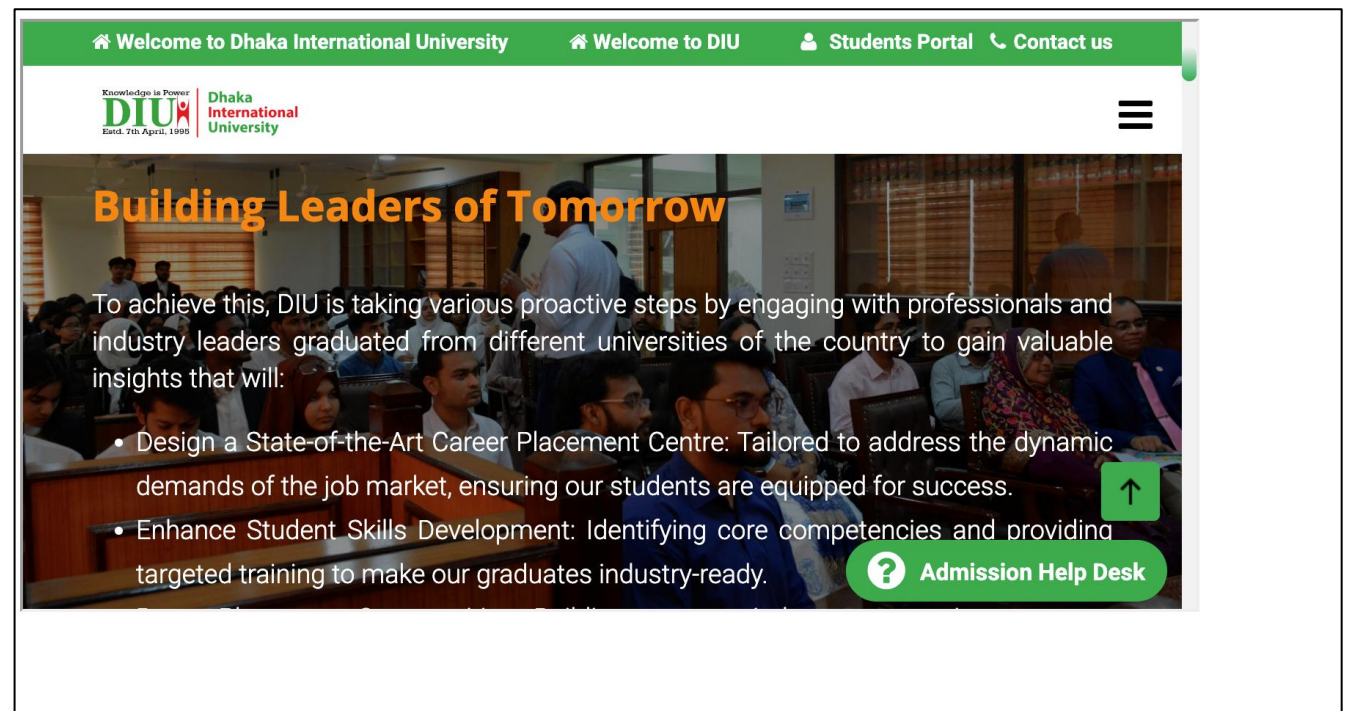
My Name is Md. Manirujjaman.  
I am from Jolshiri.  
I am a faculty member of Dhaka International University.

# Special Purpose tag

**<iframe>** : Embeds **another webpage** inside the current page.

## Output

```
<body>
<iframe src="https://diu.ac/"
frameborder="1" width="800"
height="400"></iframe>
</body>
```





# Thank you