



Lab 11: HTML forms:

Subject: Application of Information & Communication Technologies

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## HTML Forms

HTML forms are essential components for gathering user input on web pages. They provide a structured and interactive way to collect information from visitors, enabling website owners to engage with their audience and gather valuable data.

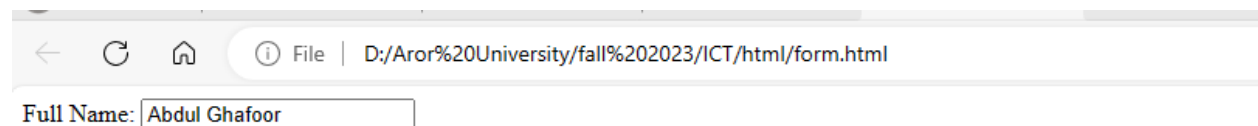
### Building Forms with Various Input Elements

To create a form in HTML, you utilize the `<form>` tag. This tag defines the structure of the form and encompasses various elements that represent different input fields and controls.

```
<form>
  <label for="fname">Full Name:</label>
  <input type="text" id="fname" name="fname" value="John">
</form>
```

#### TextInput Fields (`input type="text"`)

Text input fields enable users to enter single-line text data. They are commonly used for collecting names, email addresses, phone numbers, and other short pieces of text information.



#### Checkboxes (`input type="checkbox"`)

Checkboxes provide a way for users to select multiple options from a set of choices. They are particularly useful for collecting preferences, interests, or multiple selections.

```
<label for="department">Select your Department:</label>
<input type="checkbox" id="dep1" name="dept[]" value="AI">
<label for="dep1">AI</label>
<input type="checkbox" id="dep2" name="dept[]" value="CS">
<label for="dep2">CS</label>
```

Full Name:

Select your Department: ☒ AI ☒ CS

### Radio Buttons (input type="radio")

Radio buttons allow users to select a single option from a group of mutually exclusive choices. They are typically used for questions with a limited set of possible answers

```
<label for="gender">Gender:</label>
<input type="radio" id="male" name="gender" value="male">
<label for="male">Male</label>
<input type="radio" id="female" name="gender" value="female">
<label for="female">Female</label>
```

Full Name:

Select your Department: ☐ AI ☐ CS

Gender: ☐ Male ☐ Female

### Dropdown Menus (select)

Dropdown menus, also known as select boxes, provide a list of options from which users can select a single choice. They are useful for presenting a range of options in a compact and organized manner.

Full Name:

Select your Department: ☐ AI ☐ CS

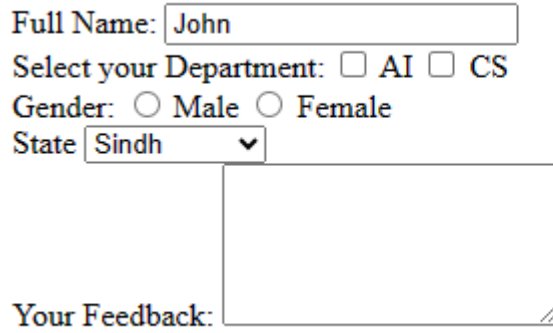
Gender: ☐ Male ☐ Female

State:

## Textareas (textarea)

Textareas are designed for inputting longer blocks of text, such as comments, feedback, or detailed descriptions. They provide a larger text box that allows users to type extended responses.

```
<label for="feedback">Your Feedback:</label>  
<textarea id="feedback" name="feedback" rows="5" value="feedback">
```

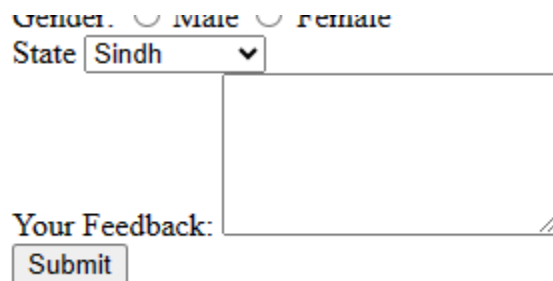


A screenshot of a web form. It includes a text input for 'Full Name' with the value 'John', radio buttons for 'Gender' (Male and Female), checkboxes for 'Department' (AI and CS), and a dropdown menu for 'State' with 'Sindh' selected. Below these is a large text area labeled 'Your Feedback:'.

## submit button

```
<input type="submit" value="Submit">
```

The submit button is represented by the `<input>` tag with the `type` attribute set to "submit". It can also have additional attributes to customize its appearance and behavior.



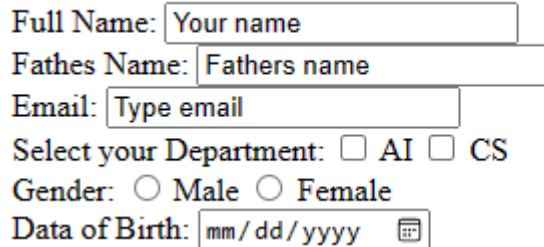
A screenshot of a web form, similar to the one above, but with a 'Submit' button added at the bottom left of the feedback text area.

## Date Picker

The `<input type="date">` defines a date picker.

The resulting value includes the year, month, and day.

```
<label for="birthday">Birthday:</label>
<input type="date" id="birthday" name="birthday">
```




Full Name:

Fathes Name:

Email:

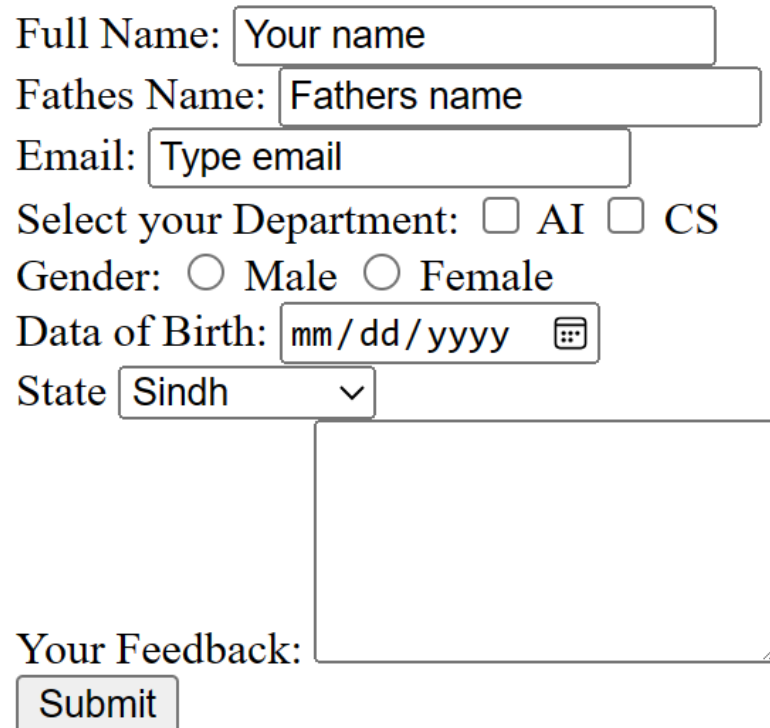
Select your Department: ☐ AI ☐ CS

Gender: ☐ Male ☐ Female

Data of Birth:  

## Class Work

**Step 01: Construct a basic HTML form using the elements we've covered in this class.**




Full Name:


Fathes Name:

Email:

Select your Department: ☐ AI ☐ CS

Gender: ☐ Male ☐ Female

Data of Birth:  

State  

Your Feedback:

Task 02: Enhance the appearance and organization of the HTML form by implementing an HTML table for a more visually appealing and structured layout.

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Full Name:

Fathes Name:


Email:

Select your Department: ☐ AI ☐ CS


Gender:

☐ Male ☐ Female

Data of Birth:

State

Your Feedback:

**Task 03: Use CSS to make the HTML table look stylish and appealing.**

CSS code:

```
table{  
border:2px solid blue;  
background-color:green;  
color:white;  
padding:30px;  
}
```

Full Name:	<input type="text" value="Your name"/>
Fathes Name:	<input type="text" value="Fathers name"/>
Email:	<input type="text" value="Type email"/>
Select your Department:	<input type="checkbox"/> AI <input type="checkbox"/> CS
Gender:	<input type="radio"/> Male <input type="radio"/> Female
Data of Birth:	<input type="text" value="mm/dd/yyyy"/> 
State	<input type="text" value="Sindh"/> 
Your Feedback:	<div><div></div></div>
	<input type="button" value="Submit"/>

**Padding :**

In CSS, padding is a property that defines the space between the content of an element and its border. It is used to create space around the content within an element, providing visual separation between the content and the border.