HTML FORM

The **`<form>`** tag in HTML is used to **collect user input**. Forms are essential for tasks like user registration, login, searching, uploading files, feedback collection, and more.

Inside a form, you can use various form controls like:

- **Text fields** (**`<input type="text">`**)
- **Password fields**
- **Radio buttons**
- **Checkboxes**
- **Text areas**
- **Dropdowns**
- **Submit buttons, etc.**

```
<> html_form.html > ⬡ html > ⬡ body > ⬡ form > ⬡ input#username
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1">
6     <title>HTML5 Form Example</title>
7   </head>
8   <body>
9     <h2>User Registration Form</h2>
10
11    <form action="submit.html" method="post">
12
13      <!-- Name -->
14      <label for="username">Full Name:</label><br>
15      <input type="text" id="username" name="username" required minlength="3" maxlength="50">
16      <br><br>
17
18      <!-- Email -->
19      <label for="email">Email Address:</label><br>
20      <input type="email" id="email" name="email" required>
21      <br><br>
22
```

```html
    <!-- Password -->
    <label for="password">Password:</label><br>
    <input type="password" id="password" name="password" required minlength="6">
    <br><br>

    <!-- Date of Birth -->
    <label for="dob">Date of Birth:</label><br>
    <input type="date" id="dob" name="dob" required>
    <br><br>

    <!-- Gender Radio Buttons -->
    <label>Gender:</label><br>
    <input type="radio" id="male" name="gender" value="male" required>
    <label for="male">Male</label><br>
    <input type="radio" id="female" name="gender" value="female">
    <label for="female">Female</label><br>
    <input type="radio" id="other" name="gender" value="other">
    <label for="other">Other</label>
    <br><br>
```

```html
    <!-- Interests Checkbox -->
    <label>Interests:</label><br>
    <input type="checkbox" id="coding" name="interests" value="Coding">
    <label for="coding">Coding</label><br>
    <input type="checkbox" id="design" name="interests" value="Design">
    <label for="design">Design</label><br>
    <input type="checkbox" id="gaming" name="interests" value="Gaming">
    <label for="gaming">Gaming</label>
    <br><br>

    <!-- Submit and Reset Buttons -->
    <input type="submit" value="Submit">
    <input type="reset" value="Reset">

  </form>

</body>
</html>
```

TOPIC: HTML ANCHOR TAG.
COURSE INSTRUCTOR: ABDULLAH MAHMOOD

◈ Output Summary

This form:

- Collects user details **(name, email, password)**
- Takes **radio** and **checkbox** inputs
- **Accepts a message**
- Submits data to **submit.php** using **POST** method

◈ Notes:

- **Required ensures** the field must be filled before submission.
- Use name attributes to send field data to the **server.**
- Use **action=""** to submit to the same page.