

# Tables in HTML

**Tables are used to represent real life table data.**

# Tables in HTML

**<table>**

**<caption> Table Caption </caption>**

**<tr>**

**<th> header 1 </th>**

**<th> header 2 </th>**

**</tr>**

**<tr>**

**<td> data 1 </td>**

**<td> data 2 </td>**

**</tr>**

**</table>**

# Tables in HTML

**<tr>**      used to display table row

**<td>**      used to display table data

**<th>**      used to display table header

```
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>HTML - Level 3</title>
</head>
<body>
  <table border="black">
    <caption>
      Food Menu
    </caption>
    <tr>
      <th>Item</th>
      <th>Price</th>
    </tr>
    <tr>
      <td>Frooti</td>
      <td>10</td>
    </tr>
    <tr>
      <td>Samosa</td>
      <td>12</td>
    </tr>
    <tr>
      <td>Chips</td>
      <td>20</td>
    </tr>
  </table>
```

# Tables in HTML

**<thead>** to wrap table header

**<tbody>** to wrap table body

**<tfoot>** to wrap table footer

| Item | Price |
|------|-------|
| A    | 10    |
| B    | 20    |
| C    | 30    |
| Sum  | 60    |

← header

} body

} footer

# Colspan & Rowspan Attributes

used to create cells which spans over multiple rows or columns

| Food Menu |       |      |
|-----------|-------|------|
| Item      | Price |      |
|           | INR   | USD  |
| Frooti    | 10    | 0.14 |
| Samosa    | 12    | 0.17 |
| Chips     | 20    | 0.28 |

**rowspan = " "**

**colspan = " "**

span →  
(area) 1 col

## Colspan & Rowspan Attributes

used to create cells which spans over multiple rows or columns

| Food Menu |       |      |
|-----------|-------|------|
| Item      | Price |      |
|           | INR   | USD  |
| Frooti    | 10    | 0.14 |
| Samosa    | 12    | 0.17 |
| Chips     | 20    | 0.28 |

rowspan = " "

colspan = " "

<th colspan="2"> Price </th>

<th rowspan="2"> Item </th>

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Price → 1 row  
2 cols

Item → 2 rows  
1 col



```
7 <title>HTML - Level 3</title>
8 </head>
9 <body>
10 <table border="black">
11 <caption>
12 | Food Menu
13 </caption>
14 <thead>
15 <tr>
16 | <th rowspan="2">Item</th>
17 | <th colspan="2">Price</th>
18 </tr>
19 <tr>
20 | <th>INR</th>
21 | <th>USD</th>
22 </tr>
23 </thead>
24 <tbody>
25 <tr>
26 | <td>Frooti</td>
27 | <td>10</td>
28 | <td>0.14</td>
29 </tr>
30 <tr>
31 | <td>Samosa</td>
```

# Practice Qs 7

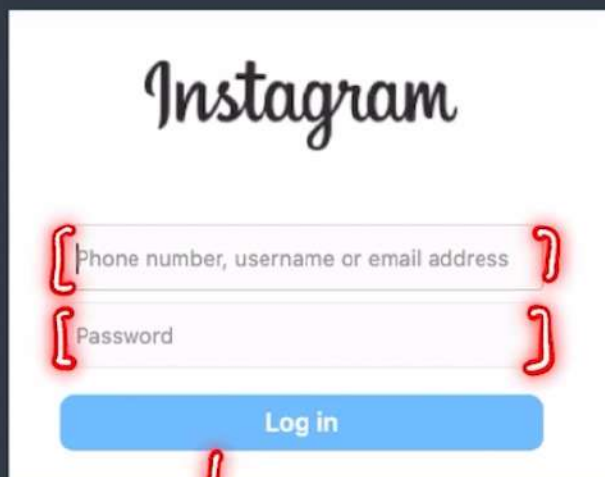
Re-create the following table using HTML

[ A test table with merged cells 7

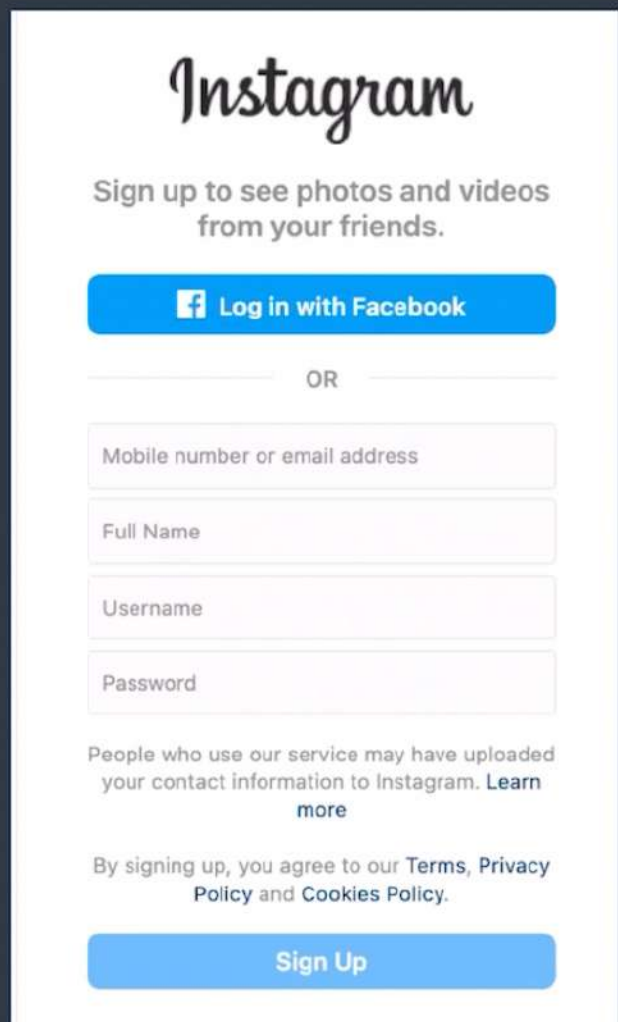
|         | Average |        | Red eyes |
|---------|---------|--------|----------|
|         | Height  | Weight |          |
| Males   | 1.9     | 0.003  | 40%      |
| Females | 1.7     | 0.002  | 43%      |

# Forms in HTML

Forms are used to collect data from the user



A simplified diagram of an Instagram login form. It features the 'Instagram' logo at the top. Below it are two input fields: the first is labeled 'Phone number, username or email address' and the second is labeled 'Password'. Both input fields are enclosed in red brackets. Below the input fields is a blue button labeled 'Log in'. A red bracket is also placed under the 'Log in' button.



A screenshot of the actual Instagram login and sign-up form. It features the 'Instagram' logo at the top. Below it is the text 'Sign up to see photos and videos from your friends.' followed by a blue button labeled 'Log in with Facebook'. Below this is a horizontal line with the text 'OR' in the center. Below the line are four input fields: 'Mobile number or email address', 'Full Name', 'Username', and 'Password'. Below the input fields is the text 'People who use our service may have uploaded your contact information to Instagram. [Learn more](#)'. Below this is the text 'By signing up, you agree to our [Terms](#), [Privacy Policy](#) and [Cookies Policy](#).' followed by a blue button labeled 'Sign Up'.

# Forms in HTML

**<form>**

form content

**</form>**



## Action Attribute

**Action attribute** is used to define what action needs to be performed when a form is submitted or where the form data should be sent

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`<form action="/action.php" >`

`<form action="/action" >`

# Form Elements

## Input

- used to create multiple form controls
- there are multiple types of inputs that can be created using type attribute

# Form Elements

type attribute

<input>

<input type="text">

<input type="password">

<input type="number">

<input type="time">

<input type="color">



# Form Elements

placeholder attribute

```
<input type="text" placeholder="Enter Name">
```

# Form Elements

## Label

- Label element represents a caption for an item in a user interface

<label >

Enter your username :

[<input type="text" placeholder="username">]

</label>

# Form Elements

**Label** Classical Approach

```
<label for="username"> Enter your username : </label>
```

```
<input type="text" id="username" placeholder="username">
```

```
<meta charset="UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>HTML - Level 3</title>
</head>
<body>
  <form action="/action">
    <label for="username">Username : </label>
    <input type="text" placeholder="enter username" id="username" />
    <br />
    <label for="password">Password : </label>
    <input type="password" placeholder="enter password" id="password" />
  </form>
</body>
</html>
```

# Button Element

<button> submit </button>

# Button Element

type attribute

```
<button type="submit"> submit </button>
```

```
<button type="button"> do something </button>
```

```
<button type="reset"> do something </button>
```

# Input Element

## Button using input

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

```
<input type="submit" value="click me">
```

name - value  
text

## Name Attribute

Name of the form control. Submitted with the form as part of a name/value pair

```
<input type="text" placeholder="enter name" id="username" name="username"/>
```



```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>HTML - Level 3</title>
  </head>
  <body>
    <form action="/server">
      <div>
        <label for="username">Username : </label>
        <input
          type="text"
          placeholder="enter username"
          id="username"
          name="user"
        />
      </div>
    </form>
  </body>
</html>
```

```
<form action="https://www.youtube.com/results">  
  <input type="text" placeholder="search in youtube" name="search_query" />  
  <button>search</button>  
</form>
```

## Practice Qs 8

Create a search option that redirects its search request to google

# Input Element

## Checkbox

```
<input type="checkbox" name="age" id="age" checked />  
<label for="age"> I am 18+ </label>
```

# Input Element

## Radio Button

```
<input type="radio" name="fruit" id="apple" " value="apple" />  
<label for="apple"> Apple </label>
```

just  
male/female/other

```
<body>
  <form action="/server">
    <input type="checkbox" id="age" name="age" checked />
    <label for="age"> I am 18+ </label>
    <div>
      <input type="radio" name="fruit1" id="apple" value="apple" />
      <label for="apple">apple</label>
      <input type="radio" name="fruit" id="mango" value="mango" />
      <label for="mango">mango</label>
      <input type="radio" name="fruit" id="banana" value="banana" />
      <label for="banana">banana</label>
    </div>
    <button>submit</button>
```

# Select Element

## Dropdown

```
<select name="profession" id="profession">
```

```
    <option value="student">Student</option>
```

```
    <option value="dev">Developer</option>
```

```
</select>
```

```
<div>
```

Choose your profession

```
<select name="profession" id="profession">
```

```
<option>Select your option</option>
```

```
<option value="stu">Student</option>
```

```
85@gmail.com<option value="dev" selected>Developer</option>
```

```
</select>
```



## Input

### Range

```
<label for="volume">Volume</label>
```

```
<input type="range" min="0" max="100" name="vol" />
```

```
    <option value="dev" selected>Developer</option>
  </select>
</div>
<label for="vol">Select your volume level : </label>
<input type="range" id="vol" min="0" max="100" name="vol" step="1"/>
<button>submit</button>
</form>
```

## Text Area

```
<label for="feedback">Please provide your valuable feedback :</label>
```

```
<textarea id="feedback" > </textarea>
```

```
    value="70"  
  />  
  <br />  
  <label for="feedback">Please give your valuable feedback : </label>  
  <textarea id="feedback" name="feedback" placeholder="write your feedback"></textarea>  
  <button>submit</button>  
</form>
```

## Practice Qs 9

Recreate the following form with suitable elements & input types

### Registration Form

Please select gender

Do you agree to all terms of service? ☒ Yes, I agree

# HTML (Level 3)

## Practice Questions

Qs1. Recreate the following table using HTML :

| Student Information |      |         |       |
|---------------------|------|---------|-------|
| Info                | Name | Address |       |
|                     |      | City    | House |
|                     | A    | Delhi   | 1     |
|                     | B    | Mumbai  | 2     |
|                     | C    | Kolkata | 3     |
|                     | D    | Pune    | 4     |

---

Qs2. Recreate the following form using HTML :

Name:

Sex: ☐ Male ☐ Female

Country:

Message:

☐ Subscribe?

Qs2. Recreate the following form using HTML :

## Feedback Form

Name:

Email:

Message:

Rate us our of 5:

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5

Ans 1

```
<table border="black">
<caption>
Student Information
</caption>
<tr>
<th rowspan="6">Info</th>
<th rowspan="2">Name</th>
<th colspan="2">Address</th>
</tr>
<tr>
<th>City</th>
<th>House</th>
</tr>
<tr>
<td>A</td>
<td>Delhi</td>
<td>1</td>
</tr>
<tr>
<td>B</td>
<td>Mumbai</td>
```



```
<td>2</td>
</tr>
<tr>
<td>C</td>
<td>Kolkata</td>
<td>3</td>
</tr>
<tr>
<td>D</td>
<td>Pune</td>
<td>4</td>
</tr>
</table>
```

Ans 2

```
<form>
<label for="name">Name:</label>
<input type="text" name="name" />
<br /><br />

<label for="sex">Sex:</label>
<input type="radio" name="sex" id="male" value="male" />
<label for="male">Male</label>
```

```
<input type="radio" name="sex" id="female" value="female" />
<label for="female">Female</label>
<br /><br />

<label for="country">Country: </label>
<select name="country" id="country">
<option>Select an option</option>
<option value="india">India</option>
<option value="usa">USA</option>
<option value="nepal">Nepal</option>
<option value="canada">Canada</option>
</select>
<br /><br />

<label for="message">Message:</label><br />
<textarea name="message" id="message" cols="30"
rows="4"></textarea>
><br /><br />

<input type="checkbox" name="newsletter" id="newsletter" />
<label for="newsletter">Subscribe?</label>
<br /><br />

<button>Submit</button>
</form>
```

Ans 3

```
<h2>Feedback Form</h2>
<form action="/contact">
<label for="name">Name: </label>
<input type="text" placeholder="Write your name" id="name" />
<br /><br />

<label for="email">Email: </label>
<input type="email" placeholder="Write your email" id="email"
/>
<br /><br />

<label for="message">Message: </label><br />
<textarea name="message" id="message" cols="30"
rows="4"></textarea>
<br /><br />

<label for="rating">Rate us out of 5:</label><br />
<input type="radio" name="rating" id="one" value="one" />
<label for="one">1</label><br />
<input type="radio" name="rating" id="two" value="two" />
<label for="two">2</label><br />
<input type="radio" name="rating" id="three" value="three" />
<label for="three">3</label><br />
<input type="radio" name="rating" id="four" value="four" />
<label for="four">4</label><br />
```

```
<input type="radio" name="rating" id="five" value="five" />
<label for="five">5</label><br />
<br /><br />

<button>Send your message!</button>
</form>
```