

# web technology cba-3

## 1. Write down the form attributes with one example

**Form attributes** define how form data is sent and processed.

Attribute	Use
<code>action</code>	URL where form data is sent
<code>method</code>	HTTP method (GET / POST)
<code>target</code>	Where to display response
<code>autocomplete</code>	Enables/disables autofill
<code>novalidate</code>	Skips form validation

**Example:**

```
<form action="submit.php" method="POST" autocomplete="on">
  <input type="text" name="username">
  <input type="submit">
</form>
```

## 2. Write down all the form Elements, give one example for each with Output by explaining the use of it

Element	Use	Example
<code>&lt;input&gt;</code>	Takes user input	<code>&lt;input type="text"&gt;</code>
<code>&lt;textarea&gt;</code>	Multi-line text	<code>&lt;textarea&gt;</code> <code>&lt;/textarea&gt;</code>
<code>&lt;select&gt;</code>	Dropdown list	<code>&lt;select&gt;</code> <code>&lt;option&gt;India&lt;/option&gt;&lt;/select&gt;</code>
<code>&lt;option&gt;</code>	Option in dropdown	<code>&lt;option&gt;USA&lt;/option&gt;</code>
<code>&lt;label&gt;</code>	Label for input	<code>&lt;label&gt;Name&lt;/label&gt;</code>
<code>&lt;button&gt;</code>	Clickable button	<code>&lt;button&gt;Submit&lt;/button&gt;</code>
<code>&lt;fieldset&gt;</code>	Groups form items	<code>&lt;fieldset&gt;Personal Info&lt;/fieldset&gt;</code>

<code>&lt;legend&gt;</code>	Title for fieldset	<code>&lt;legend&gt;Details&lt;/legend&gt;</code>
<code>&lt;datalist&gt;</code>	Predefined input options	<code>&lt;datalist&gt;&lt;option value="CSE"&gt;&lt;/datalist&gt;</code>
<code>&lt;output&gt;</code>	Shows result	<code>&lt;output&gt;Result&lt;/output&gt;</code>

### 3. Difference between checkbox and radio button

Checkbox	Radio Button
Multiple options can be selected	Only one option can be selected
Square shape	Round shape
Used for multiple choices	Used for single choice

### 4. How can we use the `<input>` in different purpose? Give 10 different example with output

Type	Purpose	Example
text	Enter text	<code>&lt;input type="text"&gt;</code>
password	Hide text	<code>&lt;input type="password"&gt;</code>
email	Email input	<code>&lt;input type="email"&gt;</code>
number	Numeric input	<code>&lt;input type="number"&gt;</code>
date	Select date	<code>&lt;input type="date"&gt;</code>
file	Upload file	<code>&lt;input type="file"&gt;</code>
radio	Single choice	<code>&lt;input type="radio"&gt;</code>
checkbox	Multiple choice	<code>&lt;input type="checkbox"&gt;</code>
color	Pick color	<code>&lt;input type="color"&gt;</code>
range	Slider	<code>&lt;input type="range"&gt;</code>

## 5. List out the attributes used in form element and use of it.

Attribute	Use
action	Where to send form data
method	GET or POST
enctype	Data encoding type
target	Where response appears
autocomplete	Enable/disable autofill
novalidate	Disable validation

## 6. What is the use of `<label>` ? How can we use it explain with one example.

`<label>` is used to describe an input field. Clicking the label also selects the input, improving accessibility.

### Example:

```
<label for="email">Email:</label>
<input type="email" id="email">
```

## 7. Write down the difference between flex and grid.

Flexbox	Grid
One-dimensional layout	Two-dimensional layout
Works in row OR column	Works in rows AND columns
Best for alignment	Best for full page layout

## 8. Write down the child element property for flex box.

Flex child properties:

- `order` – Changes order
- `flex-grow` – Expands item
- `flex-shrink` – Shrinks item
- `flex-basis` – Initial size
- `align-self` – Aligns individual item

## 9. What is Responsiveness in web Development? What is the different ways we can achieve it.

**Responsiveness** means a website adjusts properly on different screen sizes (mobile, tablet, desktop).

**Ways to achieve it:**

- Media Queries
- Flexible layouts (Flexbox & Grid)
- Percentage widths
- Responsive images
- Viewport meta tag

**10.Design a form with name, email, age, mobile number, country , county code ,address, date of birth, gender, fav food,fav color with 2 button one is submit and other is reset.**

**This form has 3 different segments**

Here's a clean structured form:

```
<!DOCTYPE html>
<html>
<head>
<title>Beautiful Form</title>
<style>
body { font-family: Arial; background:#f2f2f2; }
form { width:60%; margin:auto; padding:20px; background:white; border-radius:10px; }
fieldset { margin-bottom:15px; padding:15px; border-radius:8px; }
legend { font-weight:bold; }
input, select, textarea { width:100%; padding:8px; margin:5px 0; }
button { padding:10px 15px; margin-top:10px; }
</style>
</head>
<body>

<form>
  <fieldset>
    <legend>Personal Data</legend>
    Name: <input type="text"><br>
    Email: <input type="email"><br>
    Age: <input type="number"><br>
    Mobile: <input type="tel"><br>
    DOB: <input type="date">
  </fieldset>

  <fieldset>
    <legend>Address</legend>
    Country: <input type="text"><br>
    Country Code: <input type="text"><br>
    Address: <textarea></textarea>
  </fieldset>

  <fieldset>
    <legend>Additional Data</legend>
    Gender:
```

```
<input type="radio" name="g"> Male
<input type="radio" name="g"> Female<br><br>

Favourite Food: <input type="text"><br>
Favourite Color: <input type="color">
</fieldset>

<button type="submit">Submit</button>
<button type="reset">Reset</button>
</form>

</body>
</html>
```

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