

Web Technologies - HTML

Que 1: Introduction to HTML and its structure.

- HTML (Hyper Text Markup Language) is the standard language used to create webpages.
- It defines the structure of a webpage using various tags.
- A basic HTML document contains:
 - <!DOCTYPE html> -- Defines the document type.
 - <html> -- Root element.
 - <head> -- Contains metadata like title, styles, etc.
 - <body> -- Contains the visible content of the webpage.

Explanation of Key HTML Tags.

<a> : Anchor Tag

- Used to create hyperlinks.
- It redirects to another webpage, file, email, or location in the same page.

Ex.

```
<a href="https://example.com">Visit Website</a>
```

<form> : Form Tag

- Used to create input forms to collect user data.
- Contains form elements like text fields, buttons, radio buttons, etc.

Ex.

```
<form action="submit.jsp"> ... </form>
```

<table> : Table Tag

- Used to display data in rows and columns.
- It works with <tr> (table row), <td> (table data), and <th> (table heading).

Ex.

```
<table> <tr><th>Name</th></tr> </table>
```

** : Image Tag**

- Used to embed images in a webpage.
- It is a self-closing tag.

Ex.

```

```

List Tags

- : Unordered List (bullets)
- : Ordered List (numbers)
- : List Item

Ex.

```
<ul>  
  <li>Apple</li>  
  <li>Mango</li>  
</ul>
```

<p> : Paragraph Tag

- Used to display a block of text in paragraph form.

Ex.

```
<p>This is a paragraph.</p>
```

**
 : Line Break Tag**

- Used to break a line and move to the next line.
- It is a **self-closing tag**.

Ex.

Hello
 World

<label> : Label Tag

- Used to label form input elements.
- Clicking the label focuses the input.

Ex.

<label for="email">Email:</label>