

Html Basics:

1. Basic HTML Structure:

```
```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>My First Webpage</title>
</head>
<body>
 <!-- Content goes here -->
</body>
</html>
```
```

- `<!DOCTYPE html>`: Specifies the document type and version of HTML.
- `<html>`: The root element of an HTML page.
- `<head>`: Contains meta-information about the HTML document.
- `<meta>`: Provides metadata like character set and viewport settings.
- `<title>`: Sets the title of the webpage, visible in the browser tab.
- `<body>`: Contains the content of the HTML document.

2. Headings and Paragraphs:

```
```html
<body>
 <h1>Main Heading</h1>
 <p>This is a paragraph of text.</p>
 <h2>Subheading</h2>
 <p>Another paragraph here.</p>
</body>
```
```

- `<h1>` to `<h6>`: Headings of different levels (1 being the highest).
- `<p>`: Represents a paragraph.

3. Lists:

```
```html
<body>

```

```

 Item 1
 Item 2

 First
 Second

</body>
...

```

- `<ul>`: Unordered list.
- `<ol>`: Ordered list.
- `<li>`: List item.

#### ### 4. Links and Images:

```

...html
<body>
 Visit Example.com

</body>
...

```

- `<a>`: Anchor tag for creating hyperlinks.
- `href`: Attribute specifying the URL.
- `<img>`: Embeds an image.
- `src`: Attribute specifying the image source.
- `alt`: Attribute providing alternative text for accessibility.

#### ### 5. Forms:

```

...html
<body>
 <form action="/submit" method="post">
 <label for="username">Username:</label>
 <input type="text" id="username" name="username">

 <label for="password">Password:</label>
 <input type="password" id="password" name="password">

 <input type="submit" value="Submit">
 </form>
</body>
...

```

- ``<form>``: Container for user input.
- ``action``: Attribute specifying the URL where the form data will be sent.
- ``method``: Attribute defining the HTTP method for sending form data.
- ``<label>``: Describes form elements.
- ``<input>``: Various types for input fields (text, password, submit).

### ### 6. Divs and Spans:

```

<<<html
<body>
 <div id="container">
 <p>This is inside a div.</p>
 </div>
 <p>This is outside the div.</p>
 This is a red span.
</body>
<<<

```

- ``<div>``: Division or container element.
- ``id``: Attribute to uniquely identify an element.
- ``<span>``: Inline container usually used for styling.

### ### 7. Comments:

```

<<<html
<body>
 <!-- This is a comment -->
 <p>This is a paragraph.</p>
 <!-- <p>This paragraph is commented out.</p> -->
</body>
<<<

```

- ``<!-- ... -->``: Used for adding comments.