

HTML Code Explanation with Comments

`<!DOCTYPE html>`

Defines the document type and version of HTML.

`<html>`

Root element of an HTML document.

`<head>`

Container for metadata (data about data).

`<meta charset="UTF-8">`

Specifies the character encoding for the HTML document.

`<title>Say Hello</title>`

Defines the title of the document, shown in browser tab.

`<link rel="stylesheet" href="{{ url_for('static', filename='css/main.css') }}">`

Links a CSS stylesheet, path is generated dynamically using Flask.

`</head>`

Closes the head section.

`<body>`

Contains the content of an HTML document.

``

Embeds an image from an external source.

`
`

Inserts a line break.

`<form action="greet" method="post">`

Defines an HTML form for user input.

`{% for message in get_flashed_messages() %}`

Starts a loop to display messages flashed by the server.

`<p>{{ message }}</p>`

Displays a message within a paragraph.

```
{% endfor %}
```

Ends the loop.

```
<br>
```

Inserts a line break.

```
<input type="text" name="name_input">
```

Defines a single-line text input field.

```
<br>
```

Inserts a line break.

```
<input type="submit" value="GREET" id="greet">
```

Defines a submit button with the text 'GREET'.

```
</form>
```

Closes the form.

```
</body>
```

Closes the body section.

```
</html>
```

Closes the HTML document.