

# Section 1

- **HTML**
- **CSS**
- **UI Basic**
- **Exercise**

# What is HTML ?

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Lesson 1</title>
</head>
<body>
  <h1>Hello worlds</h1>
</body>
</html>
```

# HTML Elements

- An HTML element is defined by a start tag, some content, and an end tag.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Lesson 1</title>
</head>
<body>
  <h1>Hello worlds</h1>
</body>
</html>
```

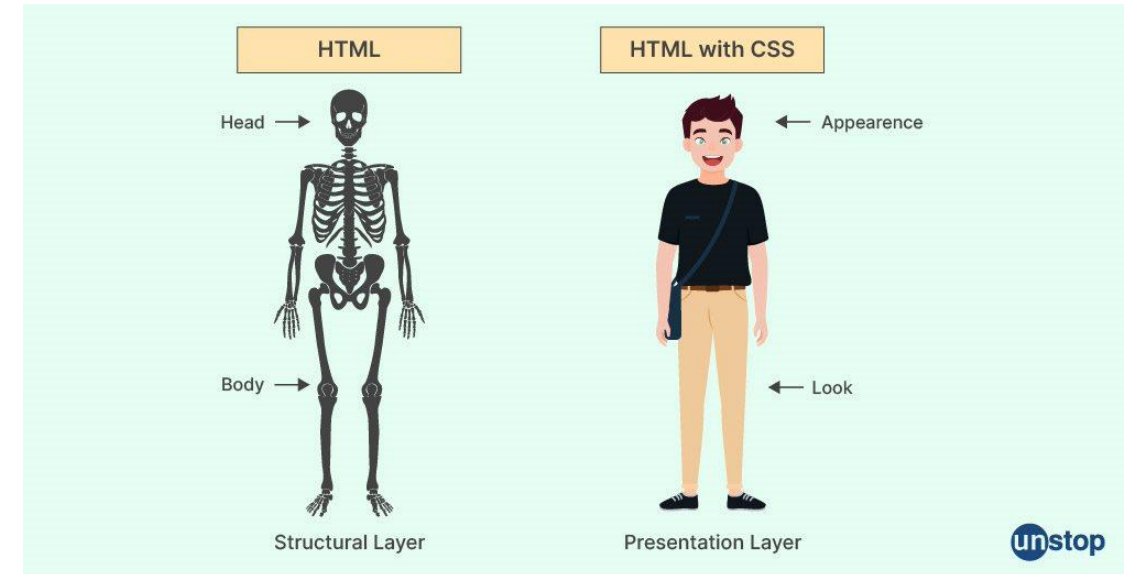
# HTML Attributes

- Attributes provide **additional information** about elements
- Attributes are always specified in **the start tag**
- Attributes usually come in name/value pairs like: **name="value"**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Lesson 1</title>
</head>
<body>
  <h1>Hello worlds</h1>
</body>
</html>
```

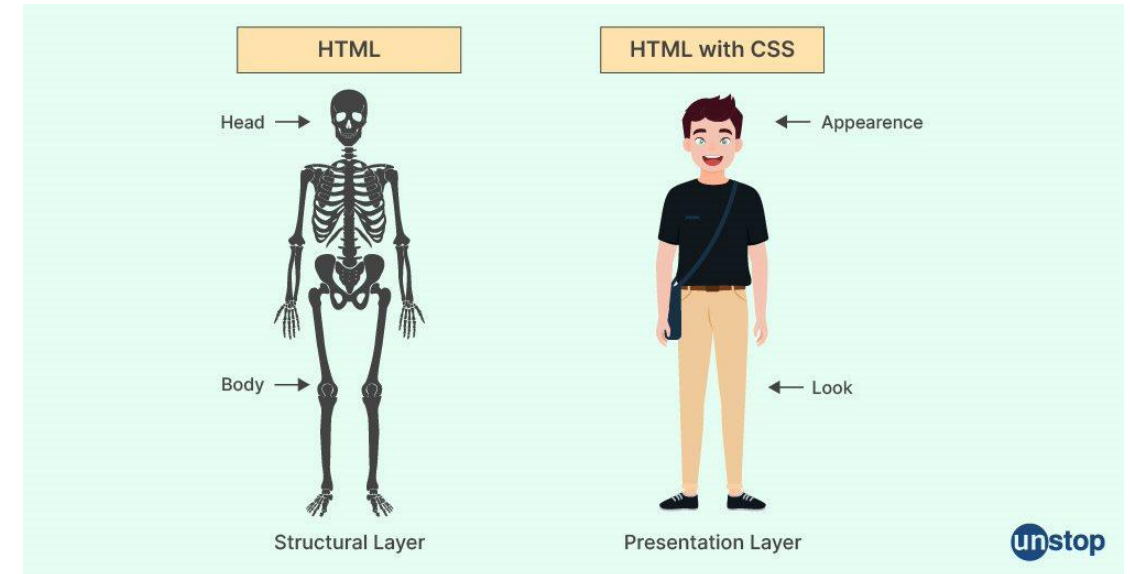
# What is CSS ?

- CSS stands for Cascading Style Sheets
- CSS describes how HTML elements are to be displayed on screen, paper, or in other media



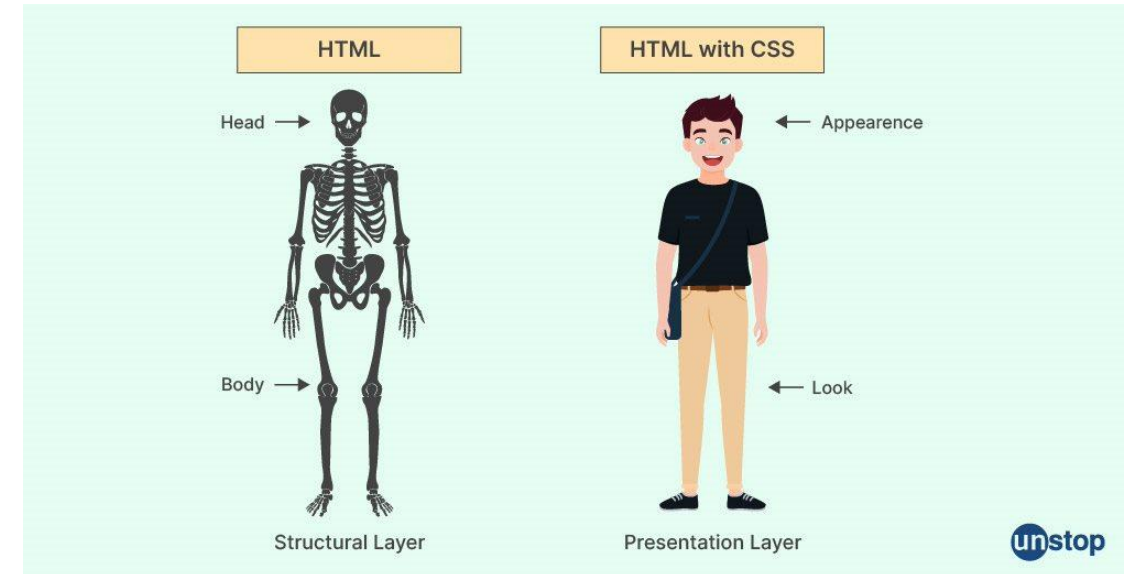
# CSS in HTML

- Internal
- External
- Inline



# CSS Priority

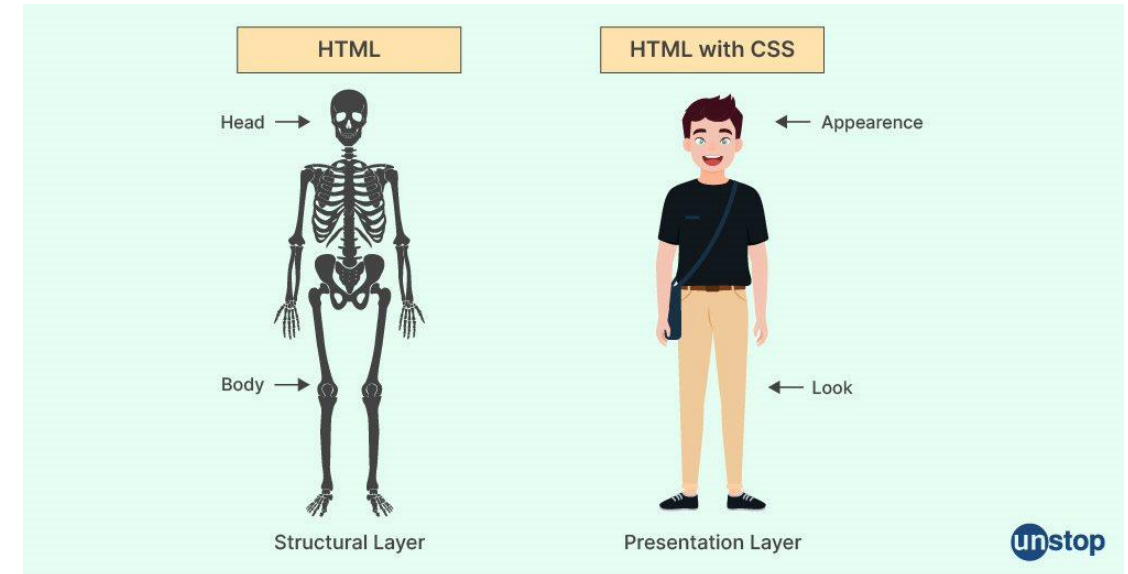
- Internal, External
- Inline
- #id - 100
- .class - 10
- tag - 1
- inherited





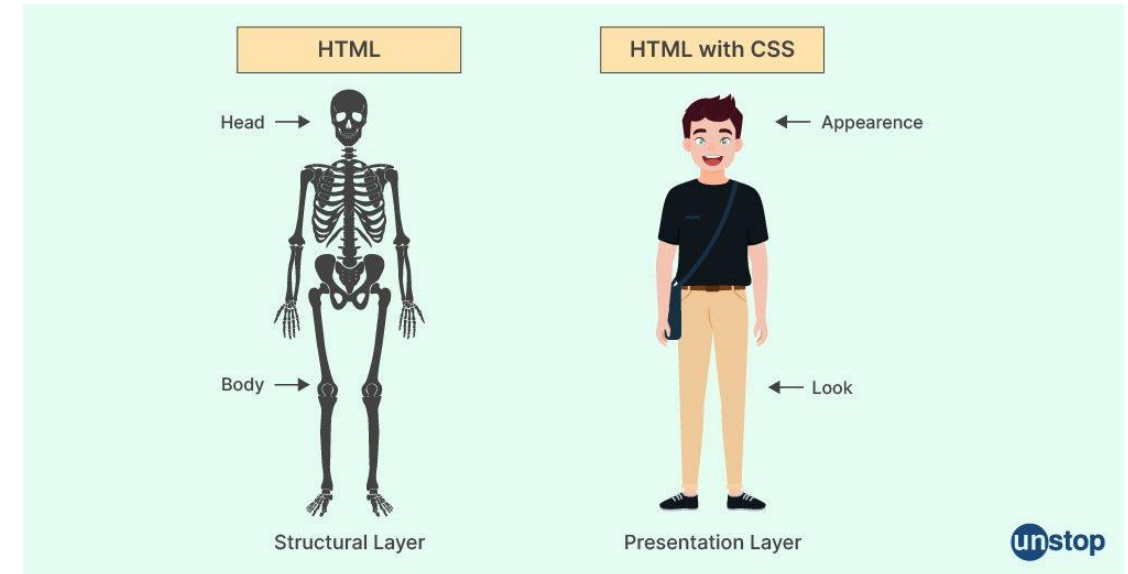
# CSS pseudo-classes

- :root
- :hover
- :active
- :first-child
- :last-child



# CSS pseudo-elements

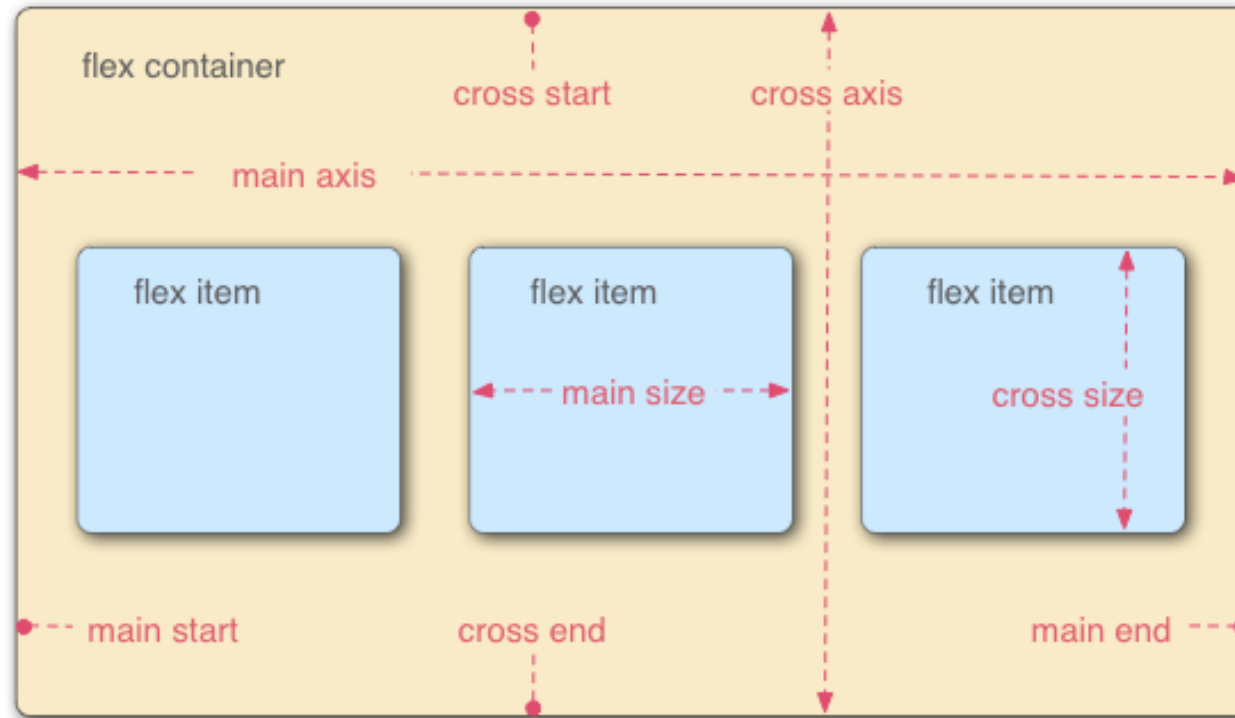
- `::before`
- `::after`
- `::first-letter`
- `::first-line`



# CSS display

	Inline	Block	Inline-block
Display	As an inline element	As a block element	As an inline-block container
Width, height	✗	✓	✓
Margin	Left and right	✓	✓
Padding	Left and right	✓	✓

# CSS layout



Flexbox playground: <https://codepen.io/enxaneta/full/adLPwv/>

Grid playground: <https://www.cssgridplayground.com/>

# UI Basic

- **F-Pattern Rule**
- **Focus on large images or prominent elements**
- **Prefer scrolling over navigating**
- **Ignore banner ads**

# Exercise

Bake: [link](#)

## Suggestions

Css: Hover, translate, transition

Js: [Counting Number](#), [Lightbox](#), [Carousel](#)

Extensions: [image download](#)

# Documents

HTML: <https://www.w3schools.com/html/>

CSS: <https://www.w3schools.com/css/default.asp>

Grid: <https://css-tricks.com/snippets/css/complete-guide-grid/>

Flexbox: <https://css-tricks.com/snippets/css/a-guide-to-flexbox/>