How to add CSS to HTML?

Inline Styles

```
<p style="color: blue; font-size: 16px;">This is a blue
```

Internal Styles:

```
<head>
    <style>
        p {
            color: green;
            font-size: 18px;
        }
    </style>
</head>
<body>
    <p>This is a green text with 18px font size.</p>
</body>
```

External Styles:

```
css                                        Copy code

p {
    color: red;
    font-size: 20px;
}
```

In your HTML file:

```
html                                       Copy code

<head>
    <link rel="stylesheet" type="text/css" href="styles.
</head>
<body>
    <p>This is a red text with 20px font size.</p>
</body>
```

Different CSS Properties

- CSS Color
- Background color
- Font-size
- Font-weight
- Text-align (left, right, centre, justify)
- Text-decoration
- Background image

Selectors

Types of Selectors

There are various types of selectors in CSS. They are:

1. **CSS Element / tag Selector**
2. **CSS Id Selector #**
3. **CSS Class Selector .**
4. **CSS Universal Selector ***

Scores of various selectors

Selector Name	Score
Inline	1000
Id	100
Class	10
Tag	1
Universal	0

Priority of Selectors

Style > Id > Class > Type > Universal

(1000) (100) (10) (1) (0)

Specificity in CSS

- Follow this order **SICTU**
  - S - inline style
  - I - Id selector
  - C - Class selector
  - T - Type/Tag selector
  - U - Universal selector

HTML Combinators

There are four different combinators in CSS:

- descendant selector (space)
- child selector (>)
- general sibling selector (~)
- adjacent sibling selector (+)
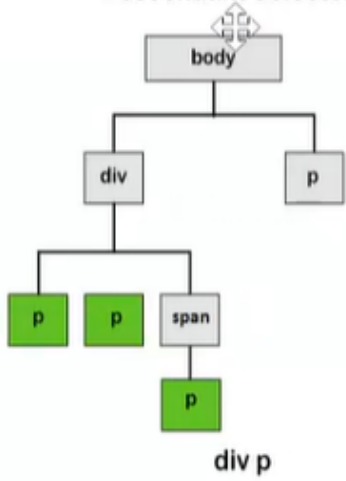
Sibling Combinators

Adjacent Sibling

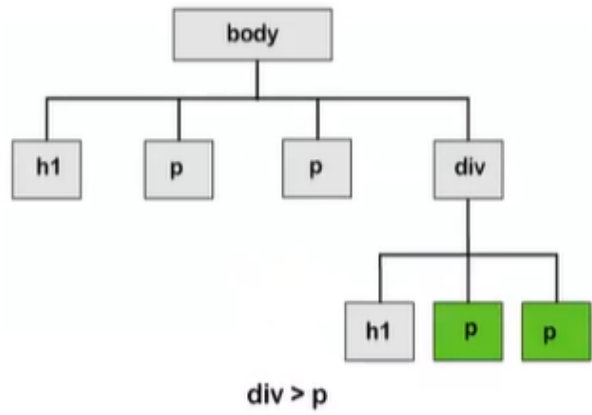+

selector1 + selector2

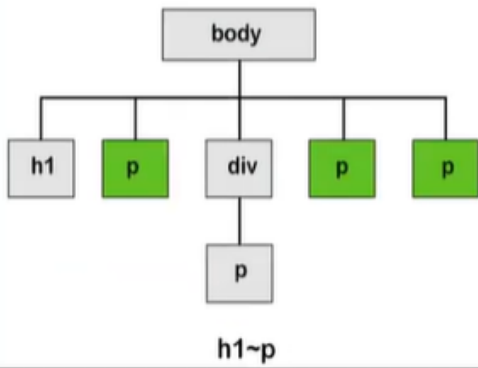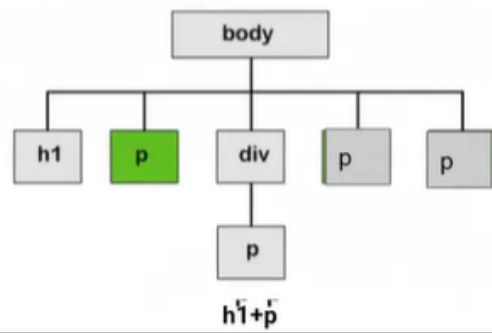General Sibling

~

selector1 ~ selector2

Descendant Selector

```
                    body
           ┌──────────┴──────────┐
          div                     p
     ┌─────┼─────┐
     p     p    span
                  │
                  p
```

div p

Child Selector (>)

```
                        body
        ┌─────────┬─────────┬─────────┐
       h1         p         p        div
                                 ┌────┴────┐
                                h1    p    p
```

div > p

General Sibling Selector (~)

```
                    body
     ┌──────┬───────┬───────┬───────┐
    h1      p      div      p       p
                    │
                    p
```

h1~p

Adjacent Sibling Selector (+)

```
                    body
     ┌──────┬───────┬───────┬───────┐
    h1      p      div      p       p
                    │
                    p
```

h1+p

Overview of all selectors

Selector	Example	Example description
.class	.intro	Selects all elements with class="intro"
#id	#firstname	Selects the element with id="firstname"
*	*	Selects all elements
element	p	Selects all <p> elements
element,element	div, p	Selects all <div> elements and all <p> elements
element element	div p	Selects all <p> elements inside <div> elements
element>element	div > p	Selects all <p> elements where the parent is a <div> element
element+element	div + p	Selects all <p> elements that are placed immediately after <div> elements
element1~element2	p ~ ul	Selects every element that are preceded by a <p> element