**1.What is the meaning of ~ and > symbols in css selectors? When do we use them?**

**div ~ p**

**div > p**

**div p**

**div, p**

1. **~ SYMBOL**:

* The `~` symbol is known as the general sibling combinator.
* It selects elements that are siblings of the specified elements and share the same parent or common parent
* Ex- `div ~ p` selects all `p` elements that are siblings of a `div` element.

2. **> SYMBOL**:

* The `>` symbol is known as the child combinator.
* It selects elements that are direct children of the specified element.
* Ex- `div > p` selects all `p` elements that are direct children of a `div` element.

3. **A SPACE** :

* A space between two elements in a selector represents a descendant relationship.
* It selects all elements that are descendants of the specified element, regardless of how deeply nested they are in the hierarchy.
* Ex- `div p` selects all `p` elements that are descendants of a `div` element, including nested `p` elements.

4**. , SYMBOL**:

* The comma is used to group multiple selectors together, so you can apply the same styles to multiple elements.
* Example: `div, p` selects both `div` and `p` elements, and you can apply styles to both using the same rule.

when to use these symbols:

* + `~` : Selects sibling elements that follow the specified element.
  + `>` : Selects direct child elements of the specified element.
  + A space: Selects all descendants of the specified element.
  + `,` : Groups multiple selectors together to apply styles to different elements.