Assignment

Que. 1 Why CSS selectors are used in HTML?

Ans. CSS selectors are essential because they allow us to **target specific HTML elements** and apply styles to them. They provide flexibility in defining how elements should look based on their type, class, ID, state, or location in the document hierarchy. Without selectors, you would have to manually style each element, which is inefficient.

Key Benefits:

- 1. **Modularity**: Selectors let you style multiple elements consistently.
- Maintainability: You can change the appearance globally by modifying styles in one place.
- 3. **Separation of Concerns**: CSS selectors allow HTML (structure) and CSS (presentation) to remain separate.

Que.2 What are the different types of Selectors in CSS?

Ans. Different Types of CSS Selectors

Here are the primary types of CSS selectors:

Selector Type	Example	Description
Universal Selector	* { margin: 0; }	Selects all elements on the page.
Type Selector	<pre>p { color: blue; }</pre>	Selects all (paragraph) elements.
Class Selector	<pre>.box { padding: 10px; }</pre>	Selects all elements with the class box.
ID Selector	<pre>#header { font-size: 20px; }</pre>	Selects the element with the ID header.

```
Styles multiple element types
Group Selector
                 h1, h2 { margin: 0;
                                           with the same rules.
                 }
Attribute
                 input[type="text"] {
                                           Selects elements with specific
Selector
                                           attributes.
                 width: 100%; }
Descendant
                 div p { color: red;
                                           Selects  elements inside
Selector
                                           <div> elements.
Child Selector
                                           Selects direct children of a
                 ul > li {
                                           parent element.
                 list-style: none; }
Adjacent Sibling h1 + p { margin-top:
                                           Selects a  immediately
                 10px; }
                                           following an <h1>.
General Sibling
                 h1 \sim p \{ color:
                                           Selects all  siblings that
                                           come after an <h1>.
                 green; }
```

Que.3 How do you include external fonts and apply them?

Ans. You can include **external fonts** from services like **Google Fonts** or by loading custom fonts in CSS.

Method 1: Using Google Fonts

- 1. Go to Google Fonts and select a font.
- 2. **Copy the <link> tag or @import URL provided.

Example: Using <link> in HTML

```
</head>
```

CSS Example: Apply Font

```
css
Copy code
body {
    font-family: 'Roboto', sans-serif;
}
```