**Assignment no-11**

Ans 1)-

CSS selectors are used to select the content we want to style. Selectors are part of the CSS rule set. CSS selectors select HTML elements according to its id, class, type, attribute etc.

There are several different types of selectors in CSS.

(a) Element Selector

(b) Id Selector

(c) Class Selector

(d) Universal Selector

(e) Group Selector

Ans 2)-

There are different types of selectors in CSS.

We can divide CSS selectors into five categories:

(a) Simple selectors.

(b) Combinators.

(c) Attribute selectors.

(d) Pseudo-class selectors.

(e) Pseudo-elements selectors.

**(a)** **Simple selectors-**

Basically, it can be further divided into 5 parts.

(i) Universal Selector.

(ii) Element Selector.

(iii)Class Selector.

(iv) ID Selector.

(v) Selector list.

**(i) Universal Selector-** The Universal selector (\*) in CSS is used to select all the elements in a HTML document.

**(ii) Element Selector-** The Element Selector only selects all the instances of a tag or element present on the webpage.

**(iii)Class Selector-**  The class selector selects HTML elements with a specific class attribute.

We write a (.) for selecting the class.

**(iv) ID Selector-**The id selector uses the id attribute of an HTML element to select a specific element.

We write a (#) for selecting the id.

**Note:-**

An id of an element is unique on a page to use an id selector.

**(v) Selector list-**The CSS selector list (,) allows us to select multiple elements with different selectors at once and style them. We have more than one thing which uses the same CSS then the individual selectors can be combined into a selector list so that the rule is applied to all of the individual selectors.

**(b) Combinators-**

A CSS selector can contain more than one simple selector.Between the simple selectors, we can include a combinator.

We can also further divide into 4 parts.

(i)Descendent selector.

(ii) Child selector.

(iii) Adjacent sibling selector.

(iv) General sibling selector.

**(c) Attribute selectors-**

The [attribute="value"] selector is used to select elements with a specified attribute and value.

**(d) Pseudo-class selectors-**

It is used to style a special type of state of any element. For example, It is used to style an element when a mouse cursor hovers over it.We use a single colon(:) in the case of Pseudo-Class Selector.

**(e) Pseudo-elements selectors-**

It is used to style any specific part of the element. For Example, It is used to style the first letter or the first line of any element.We use a double colon(::) in the case of Pseudo-Element Selector.

Ans 3)-

We know about free open source font libraries.we can use it in our web pages.

Google font is the most popular font free open source library. It provides us with different types of fonts for use.

We can add google fonts in web pages by using following steps:-

Step 1:- Browse the Google Fonts library

Step 2:- Select the fonts and customize the styles.

Step 3:- Generate the code for adding the fonts to our web pages.

Step 4:- Use the fonts in our CSS.