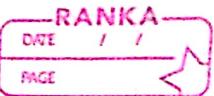


25 Jan 23

CSS - 2 Assignment



① Why CSS Selectors are used in HTML?

→ CSS Selectors are used to find (or select) the HTML elements you want to style.

We can divide CSS Selectors into five categories:

- ① Simple Selectors
2. Combinators
3. Attributes Selectors
4. Pseudo-class Selectors
5. Pseudo-elements Selectors.

Note:- CSS Selectors cannot be used with inline CSS.

① Simple Selectors :- A simple selector is either a type of Selectors are pretty straightforward and used most of the time in development.

Simple Selectors include

2. What are different types of selectors in CSS?

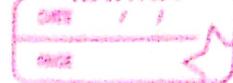
→ we can divide CSS selectors into five categories.

1. Simple Selectors
2. Combinations (Combinators)
3. Attribute Selectors
4. Pseudo-class Selectors
5. Pseudo-element Selectors

1. Simple Selectors:- A simple selector is either a type selector or a universal selector.
- Simple Selectors are pretty straightforward and used most of the time in development.

Simple Selectors include

1. Universal Selectors
2. Element Selectors
3. Class Selectors
4. Id Selectors
5. Selector List



i) universal selector:- The universal selector (*) in CSS is used to select all elements in HTML document.

→ *

```
color: white;  
background-color: black;
```

{

ii) Element selector:- The element selector selects HTML element based on the element name (or tag) for example P, h1, div, span, etc

→ h1 {

```
color: red;
```

```
font-size: 20px;
```

p {

```
color: white;
```

```
background-color: red;
```

{

(iii) Id selector : The id selector use the id attribute of an HTML element a specific element.

```
#div-container {  
    color: blue;  
    background-color: gray;  
}
```

IV Class selector :- The class selector selects HTML element with a specific class attribute

- Paragraph-class {

```
    color: white;
```

```
    font-family: monospace;
```

```
    background-color: purple;
```

```
}
```

V Selector list → The selector is used to style all comma (,) separated elements with the same style rule

```
#div-container, .paragraph-class, h1 {
```

```
    color: white;
```

```
    background-color: green;
```

```
}
```

② Combinators : A combinator is a type of selector in CSS which is used to specify the relationship between any two CSS selectors.

Combinator Selectors include

- ① Descendent selector.
- 2 Child selector
- 3 Adjacent sibling selector
- 4 General sibling selector.

① Descendent Selectors (space)

The descendent selectors is represented by using a blank space between two selectors.

→ Descendent in general means the one who is under or the one who is child element.

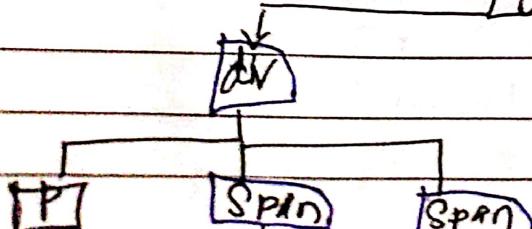
CSS :- div p {

border: 1px black solid black;

Output →

}

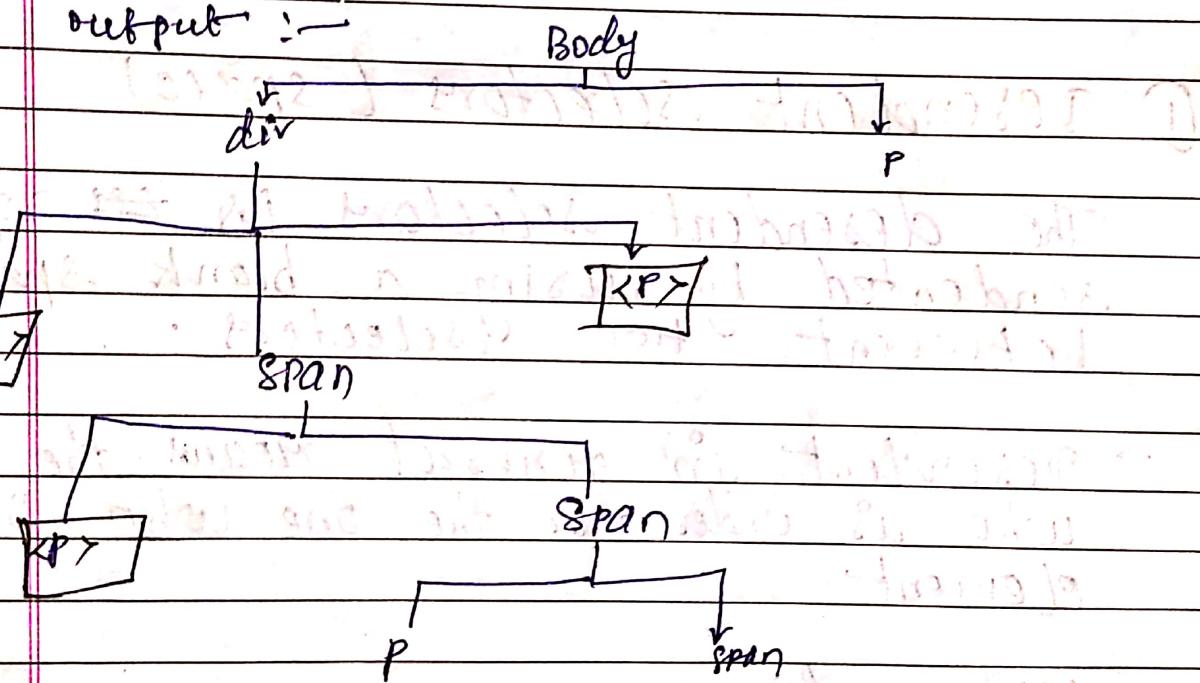
body



2 Child Selector:- The child selector is represented by the second selector that are the children of the first selector are selected by the the children of the first selector are selected by using the child selector.

?- `div > p { border: 1px solid black; }`

Output :-



Adjacent sibling selector:- The selector in CSS is used to select all the immediate siblings of an element in a web-page.

The adjacent sibling selector is represented by a plus (+) sign in between two selectors. `h1 + p`

`<body> color: black;`

`<div>`

`<p> child paragraph before heading </p>`

`<h1> heading </h1>`

`<p> child paragraph after heading </p>`

`<div>`

`<p> grandchild paragraph </p>`

`</div>`

`<p> child paragraph </p>`

`</div>`

`<p> paragraph outside div </p>`

`<body>`

child paragraph before heading

output:- `HEADING`

child paragraph after heading

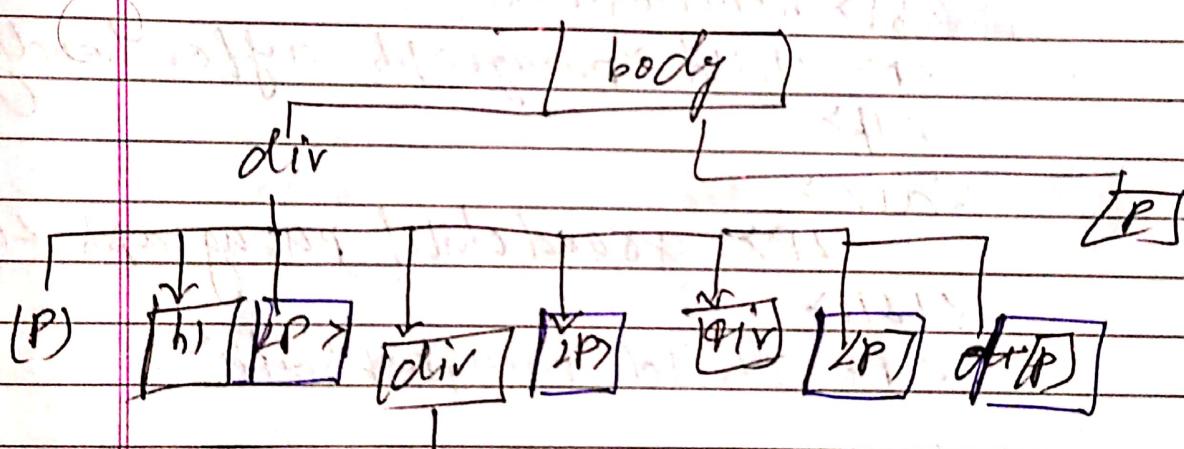
grand child paragraph

child paragraph

paragraph outside div.

General sibling selector:

- The general sibling selector is represented by using a tilde (~) sign between two selectors.
- The first selector represented by using a tilde (~) sign between
- The first selector represents the element after which any element represented by the second selector is to be selected.



h1 {
border: 1px solid blue;

}

Attribute selector

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

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

