

CSS - Cascading Style sheets

→ to improve look and feel of the contents of web page.

Syntax of CSS:-

```
Selectorname  
{  
    property: value;  
    property: value;  
}
```

Type of Selector:-

(i) Universal Selector → Apply styles on all elements in web page.

```
* {  
    property: value;  
}
```

(ii) Element Selector → Apply styles on specified element. Here, we use name of tag as a selector.

```
p  
{
```

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

```
margin: 10px;
```

```
padding: 10px;
```

```
width: 80%;
```

```
height: 20%;
```

```
}
```

- (iii) class selector :- used to apply style on elements using class attribute. we can use same class selector on one or more element.

In css

```
.selectorname
```

```
{
```

```
property: value;
```

```
}
```

In html

```
<tagname class = "selectorname">
```

Contents

```
</tagname>
```

```
<html>
  <head>
    <title> css example </title>
    <style>
      .box
      {
        width: 80%;
        height: 20%;
        margin: 10px;
        padding: 10px;
        border-style: solid;
        background-color: red;
        Color: white;
      }
    </style>
  </head>
  <body>
```

```
<p class = " box ">
```

This is first paragraph.

```
<br>
```

This is second line.

```
</p>
```

```
<p>
```

This is second paragraph.

```
<br>
```

This is second line.

```
</p>
```

```
<p class = " box ">
```

This is third Paragraph.

This is second line.

</p>

</body>

</html>

Output:-

This is first paragraph.
This is second line.

This is second paragraph.
This is second line.

This is third paragraph.
This is second line.

(iv) id selector :- Apply styles on single element with specific id.

In CSS →

```
#selectorname  
{  
    property : value;  
}
```

In html

```
<tagname id="selectorname">  
    Contents  
</tagname
```

```
<html>
  <head>
    <title> css example </title>
    <style>
```

```
      #box
      {
```

```
        width: 80%;
        height: 20%;
        margin: 10px;
        padding: 10px;
        border-style: solid;
        background-color: red;
        color: white;
```

```
      }
```

```
    </style>
  </head>
  <body>
```

```
    <p id = "box">
```

```
      This is first paragraph.
```

```
      <br>
```

```
      This is second line.
```

```
    </p>
```

```
    <p>
```

```
      This is second paragraph.
```

```
      <br>
```

```
      This is second line.
```

```
    </p>
```

```
  </body>
</html>
```

Output:-

This is first paragraph.
This is second line.

This is second paragraph.
This is second line.

Type of CSS

- (i) **Inline CSS:-** It is written a particular element of html using style attribute.
This style gets applied only on that element.

Example:-

```
<html>
```

```
  <head>
```

```
    <title> Inline CSS </title>
```

```
  </head>
```

```
  <body>
```

```
    <p style = " border-style:solid; border-color: red; margin: 10px; padding: 10px; ">
```

This is First Paragraph

This is second line.

```
  </p>
```

```
  <p style = " border-style:dotted; border-color: green; margin: 20px; padding: 20px; ">
```

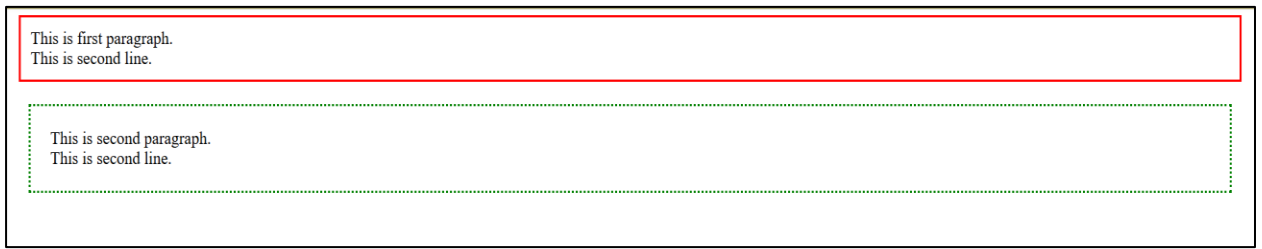
This is second paragraph

This is second line.

```
  </p>
```

</body>
</html>

Output:-



ii)

Internal CSS → It is written inside <Style> tag in <head>

tag in html page.

It is preferred whenever we require some common style on one or more elements in the page.

<html>

<head>

<title> css example </title>

<style>

• box

{

width: 80%;

height: 20%;

margin: 10px;

padding: 10px;

border-style: solid;

background-color: red;

color: white;

}

</style>

</head>

< body>

<p class = " box">

This is first paragraph.

This is second line.

</p>

<p>

This is second paragraph.

This is second line.

</p>

<p class = " box">

This is third Paragraph

This is second line.

</p>

</body>

< /html>

Output:-



(iii) External CSS:- Whenever we want to create common style for more than one page, then we prefer

external CSS.

Step 1:- create a separate css file and save it as "filename.css"

mystyles.css

```
.box
{
    width: 80%;
    height: 20%;
    margin: 10px;
    padding: 10px;
    border-style: solid;
    background-color: red;
    color: white;
}
```

Step 2:- create html page and link the css file by using <link> tag in <head> tag.

```
<link rel="stylesheet" type="text/css"
      href="filename.css">
```

example.html

```
<html>
```

```
<head>
```

```
<title> External css example </title>
```

```
<link rel="stylesheet" type="text/css"
      href="mystyles.css">
```

</head>

<body>

<p class="box">

This is first paragraph.

This is second line.

</p>

<p>

This is second paragraph.

This is second line.

</p>

<p class="box">

This is third Paragraph

This is second line.

</p>

</body>

</html>

This is first paragraph.
This is second line.

This is second paragraph.
This is second line.

This is third paragraph.
This is second line.