

**Don Bosco Institute of Technology**  
**Kurla (W), Mumbai 400 070**  
**Internet Programming**

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**Roll no.: 03      Date: 14/10/22**

**Experiment no. 4**

**Title:** Design a Web pages using CSS3 selectors, Pseudo classes, Pseudo elements

**Problem Definition:** create a web page

**Pre-requisites:** HTML and CSS

**Theory/Procedure:**

CSS Selectors

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

We can divide CSS selectors into five categories:

- Simple selectors (select elements based on name, id, class)
- Combinator selectors (select elements based on a specific relationship between them)
- Pseudo-class selectors (select elements based on a certain state)
- Pseudo-elements selectors (select and style a part of an element)
- Attribute selectors (select elements based on an attribute or attribute value)

## Program:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Document</title>
  <style>
    *{
      background: aqua;
    }
    p{
      color: red;
    }
    .a{
      color:yellow;
      font-size: 20px;
    }
    #b{
      color: blue;
      font-family:monospace;
    }
    .container p{
      color:violet
    }

  </style>
</head>

<body>
  <h2>CSS Selectors</h2>
  <ul>
    <li>Simple selectors (select elements based on name, id,
class)</li>
    <li>Combinator selectors (select elements based on a specific
relationship between them)</li>
    <li>Pseudo-class selectors (select elements based on a certain
state) </li>
```

```

        <li>Pseudo-elements selectors (select and style a part of an
element)</li>
        <li>Attribute selectors (select elements based on an attribute
or attribute value)</li>
    </ul>
</body>
    <p class="a">Class selector</p>

    <p id="b">ID selector</p>

    <p>Element selector</p>
    <div class="container">
        <p>Lorem ipsum dolor sit amet consectetur, adipisicing elit.
Accusantium, quidem.</p>
        <h4>Lorem ipsum dolor sit amet.</h4>
    </div>
</html>

```

## Output/Results:

### CSS Selectors

- Simple selectors (select elements based on name, id, class)
- Combinator selectors (select elements based on a specific relationship between them)
- Pseudo-class selectors (select elements based on a certain state)
- Pseudo-elements selectors (select and style a part of an element)
- Attribute selectors (select elements based on an attribute or attribute value)

#### Class selector

#### ID selector

#### Element selector

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Accusantium, quidem.

Lorem ipsum dolor sit amet.

## References:

<https://www.w3schools.com/html>

<https://www.tutorialspoint.com/html>