

Lesson 02 Demo 01

Adding ID, Class, and Descendant Selectors

Objective: To develop the HTML file with id, class, and descendant selectors

Tools required: Visual Studio Code, Browser

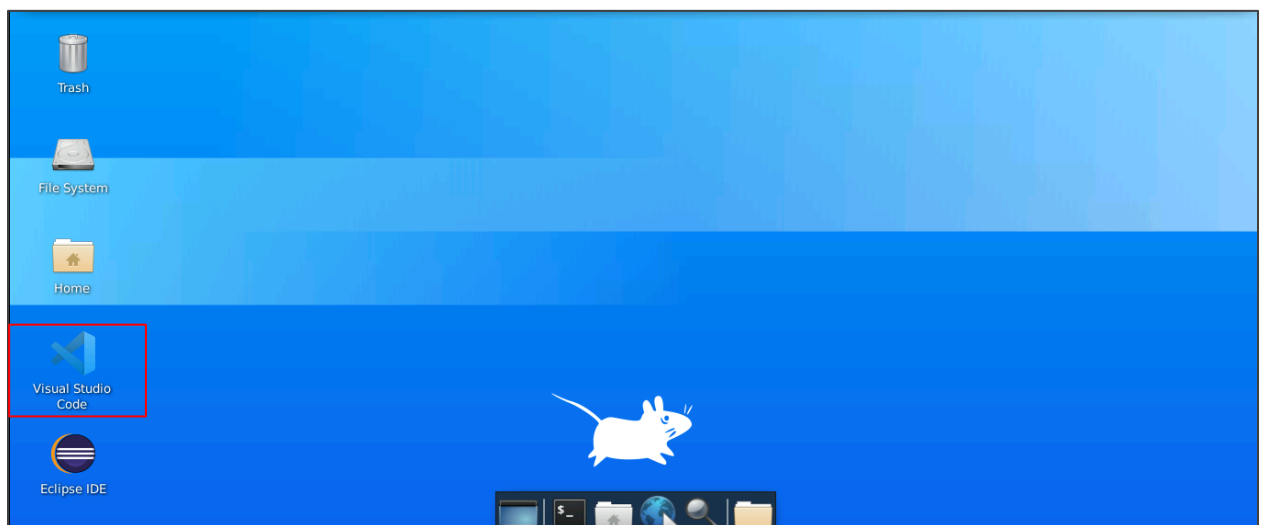
Prerequisites: None

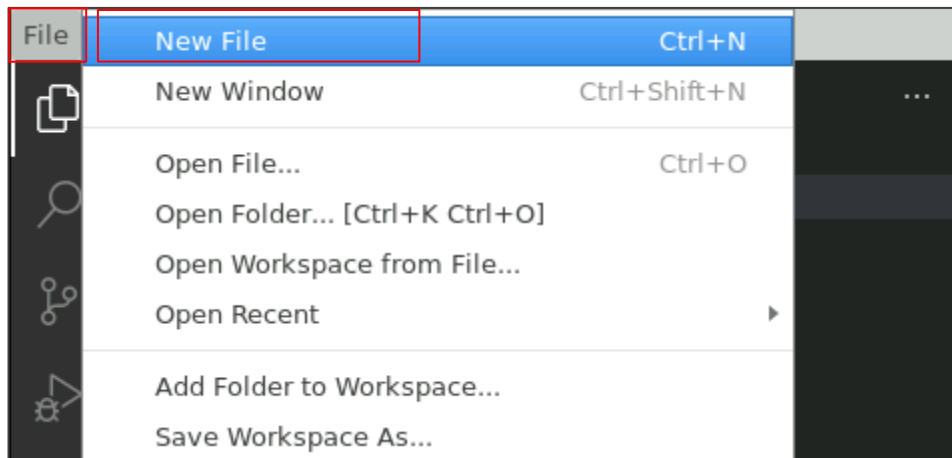
Steps to be followed:

1. Create the index.html and styles.css files
2. Add id, class, and descendant selectors to the HTML file
3. View the results in your local browser

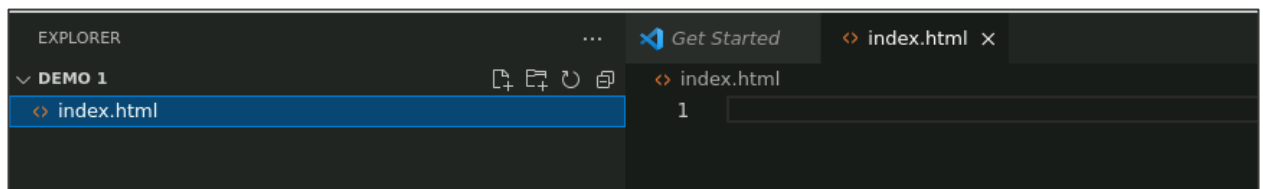
Step 1: Create the index.html file and styles.css files

- 1.1 Open **Visual Studio Code**, right-click on the **File** menu in the code editor, and select **New File**

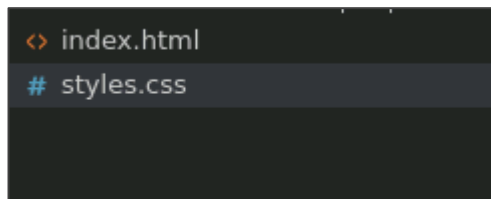




1.2 Create a file named **index.html**



1.3 Create a file named **styles.css**



Step 2: Add id, class, and descendant selectors to the HTML file

2.1 Enter the following code in the **index.html** file:

```
<!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>
<link rel="stylesheet" href="styles.css">
</head>
<body>
  <h1 id="main-title">HTML</h1>
  <p class="center">Here we are going to discuss about the CSS Selectors</p>

  <div class="content">
    <h2 class="section-title">Section Title</h2>
    <p>This paragraph is within a div with a class <code>content</code>.</p>
    <div id="special-container">
      <p class="highlight">This paragraph is within a div with an ID <code>special-
container</code> and has a class <code>highlight</code>.</p>
    </div>
  </div>
</body>
</html>

```

```

index.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta http-equiv="X-UA-Compatible" content="IE=edge">
6    <meta name="viewport" content="width=device-width, initial-scale=1.0">
7    <title>Document</title>
8    <link rel="stylesheet" href="styles.css">
9  </head>
10 <body>
11   <h1 id="main-title">HTML</h1>
12   <p class="center">Here we are going to discuss about the CSS Selectors</p>
13
14   <div class="content">
15     <h2 class="section-title">Section Title</h2>
16     <p>This paragraph is within a div with a class <code>content</code>.</p>
17     <div id="special-container">
18       <p class="highlight">This paragraph is within a div with an ID <code>special-container</code> and has a class <code>highlight</code>.</p>
19     </div>
20   </div>
21 </body>
22 </html>

```

2.2 Enter the following code in the **styles.css** file:

```
/* ID Selector */
#main-title {
    color: navy;
    text-align: center;
}

/* Class Selector */
.center {
    text-decoration: dashed;
    color: bisque;
}

.highlight {
    color: green;
    font-weight: bold;
}

/* Descendant Selector */
.content .section-title {
    font-size: 1.5em;
    color: maroon;
}

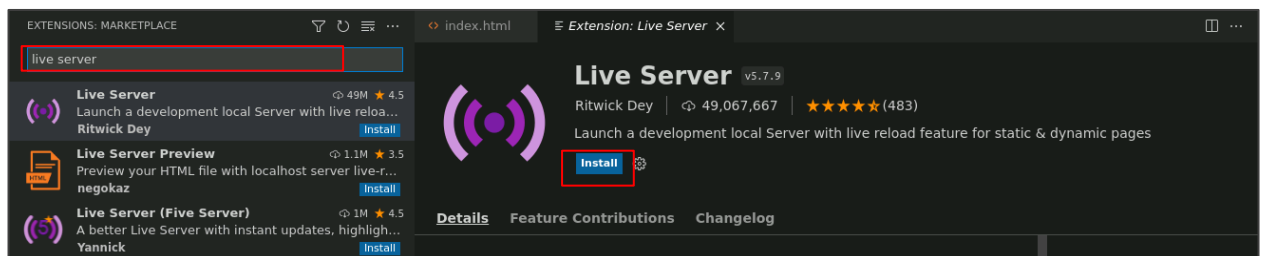
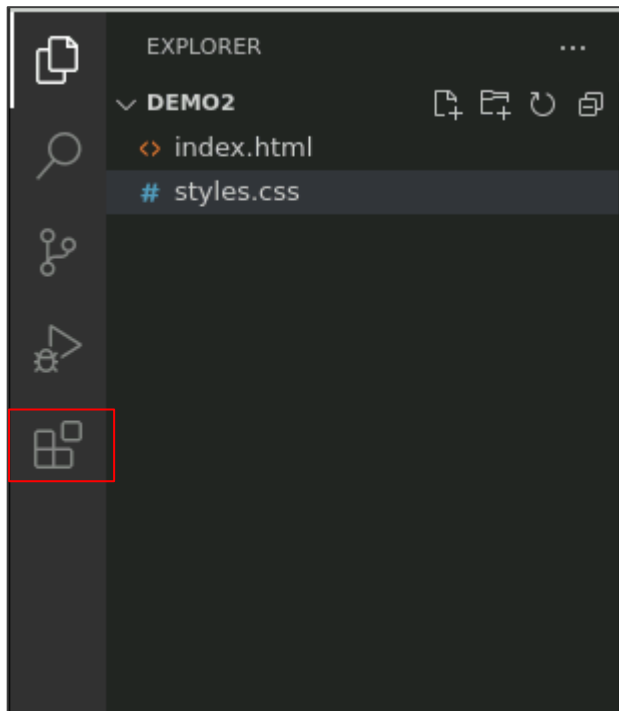
#special-container .highlight {
    background-color: yellow;
    padding: 10px;
}
```

```
# styles.css > ...
1  /* ID Selector */
2  #main-title {
3      color: navy;
4      text-align: center;
5  }
6
7  /* Class Selector */
8  .center {
9      text-decoration: dashed;
10     color: bisque;
11 }
12
13 .highlight {
14     color: green;
15     font-weight: bold;
16 }
17
18 /* Descendant Selector */
19 .content .section-title {
20     font-size: 1.5em;
21     color: maroon;
22 }
23
```

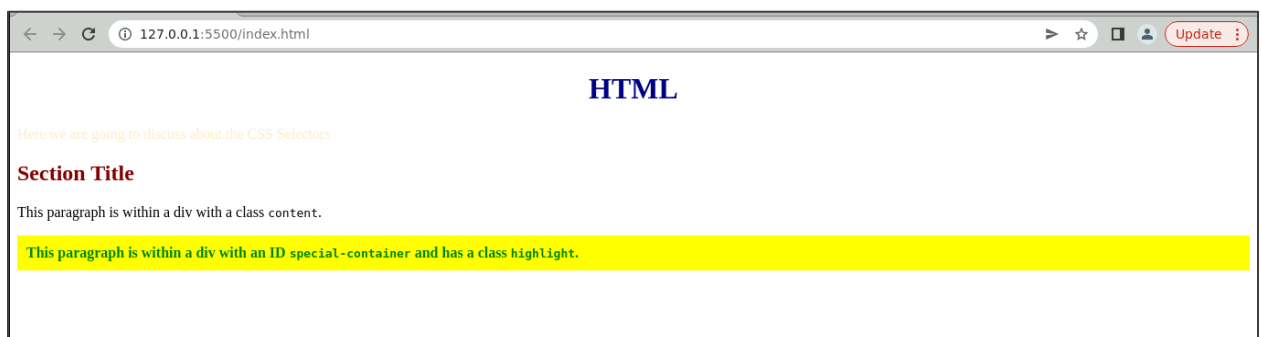
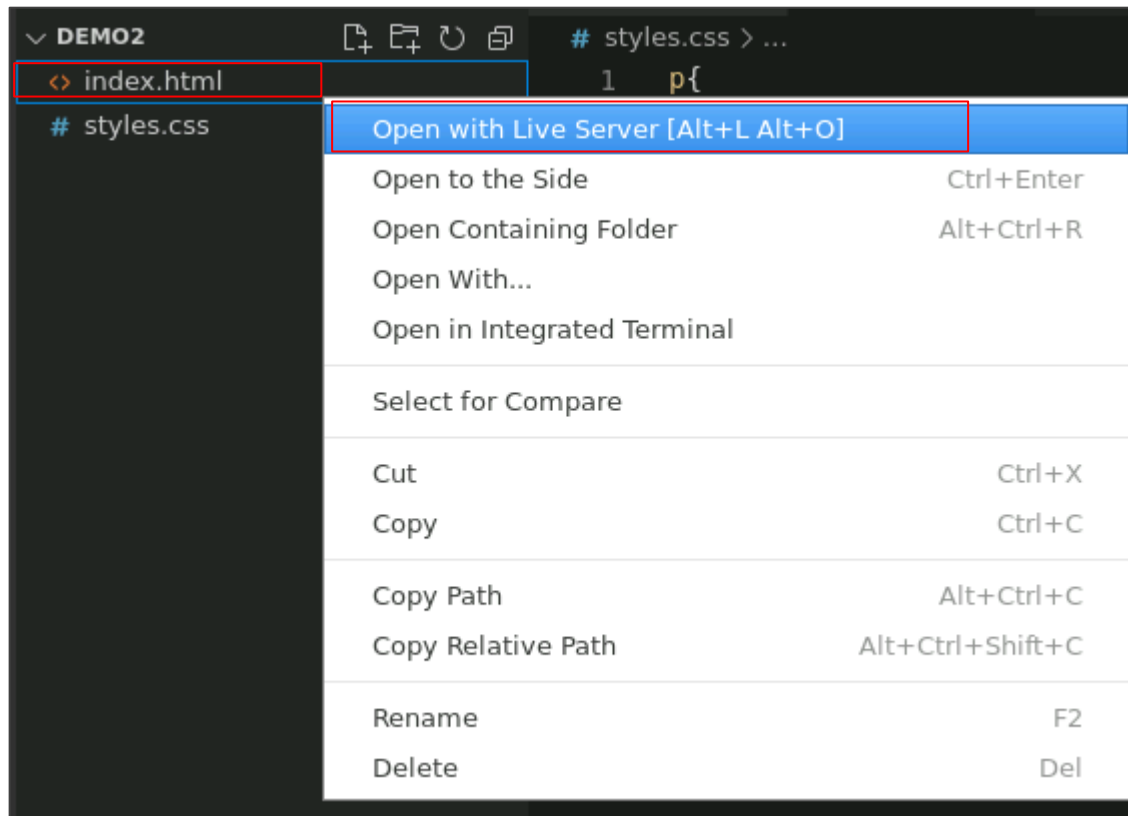
```
# styles.css > ...
11 }
12
13 .highlight {
14     color: green;
15     font-weight: bold;
16 }
17
18 /* Descendant Selector */
19 .content .section-title {
20     font-size: 1.5em;
21     color: maroon;
22 }
23
24 #special-container .highlight {
25     background-color: yellow;
26     padding: 10px;
27 }
28 |
```

Step 3: View the results in your local browser

3.1 Go to **Extensions** in Visual Studio Code, search for **Live Server**, and **Install** it



3.2 Right-click on the **index.html** file of the project, select **Open with Live Server**, and the output obtained will be as shown below:



By following these steps, you have successfully developed an HTML file with id, class, and descendant selectors.