

1. Create a simple page with some div tags and show different ways to add CSS as well as what happens when you target the same elements with inline, internal, and external CSS. Also, utilize comments in the project where required.

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Quastoin 1</title>

</head>

<!-- External Stylesheet CSS -->

<link rel="stylesheet" href="./index.css">

<Style>

  /*Internal Stylesheet CSS*/

  h1{

    background-color: rgb(174, 255, 228);

    color: red;

    text-align: center;

  }

  .title {

    color: brown;

    text-decoration: solid;

  }

  #sub-title{

    color: rgb(14, 25, 128)

  }

</Style>

<body >

  <h1 style="background-color: rgb(245, 184, 94);">This is the Simple Page</h1>

  <!-- inline Stylesheet CSS -->

  <div class="title">

    <p style="">This is the paragraph of Test CSS</p>
```

```

</div>

<div id="sub-title">

  <p>This is the paragraph of Test-2 CSS </p>

</div>

<div>

  <p style="color: blue;" >This is the paragraph of Test-3 CSS </p>

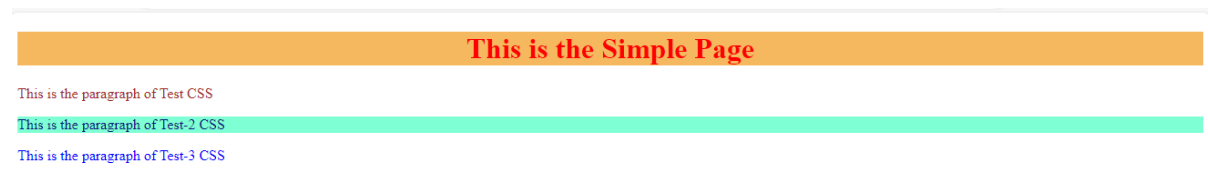
</div>

</body>

</html>

```

Output:



2. Build an HTML page with multiple paragraphs, each assigned a unique class name. Write CSS rules using class selectors to apply distinct styling to each paragraph. Follow the BEM naming convention and explain how you've named the classes.

HTML code:

```

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>BEM CSS Example</title>

  <link rel="stylesheet" href="./paragraph.css">

</head>

<body>

  <p class="paragraph">This is the first paragraph.</p>

  <p class="paragraph paragraph--highlighted">This is the second paragraph with a highlight.</p>

  <p class="paragraph paragraph--important">This is the third important paragraph.</p>

  <p class="paragraph paragraph--featured">This is the fourth featured paragraph.</p>

```

```
<p class="paragraph paragraph--quote">This is the fifth paragraph in a quote style.</p>
<p class="paragraph paragraph--note">This is a note paragraph.</p>
<p class="paragraph paragraph--footer">This is a footer paragraph.</p>
</body>
</html>
```

CSS Code:

```
.paragraph {
    font-size: 16px;
    line-height: 1.5;
    margin-bottom: 20px;
/* Base paragraph styling */
}

/* Styling for highlighted paragraphs */
.paragraph--highlighted {
    background-color: rgb(101, 233, 13);
    font-weight: bold;
}

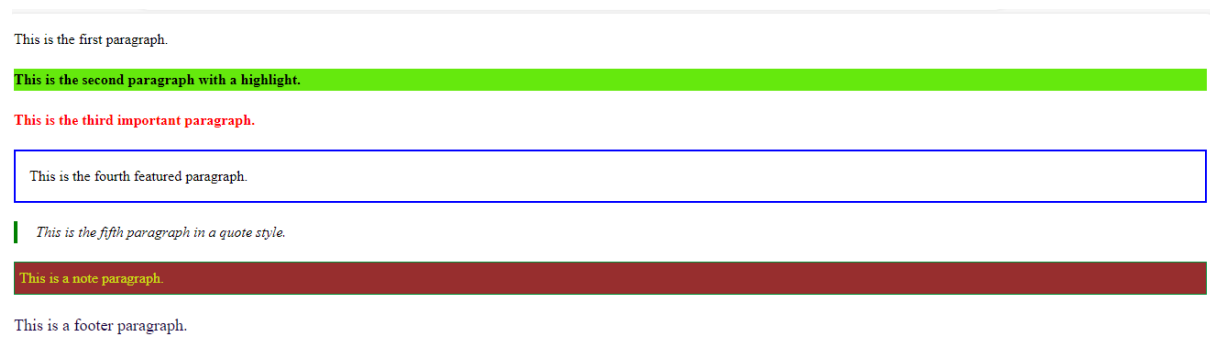
/* Styling for important paragraphs */
.paragraph--important {
    color: red;
    font-weight: bold;
}

/* Styling for featured paragraphs */
.paragraph--featured {
    border: 2px solid blue;
    padding: 15px;
}

/* Styling for quote paragraphs */
.paragraph--quote {
    font-style: italic;
    border-left: 4px solid green;
```

```
padding-left: 20px;
}
/* Styling for note paragraphs */
.paragraph--note {
    color: #cbe00f;
    background-color: #972e2e;
    padding: 5px;
    border: 1px solid #04913a;
}
/* Styling for footer paragraphs */
.paragraph--footer {
    font-size: 18px;
    color: rgb(23, 3, 70);
}
```

Output:



3. Develop an HTML form with various input elements. Use CSS to style the form, including setting background colors for input fields. Create a custom color palette for the form elements, and demonstrate how to apply opacity to one of the form sections.

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Form Input</title>
    <style>
```

```
/* Form container styling */  
  
.form-container {  
    background-color: #a6c4d8;  
    padding: 20px;  
    border-radius: 10px;  
    width: 300px;  
    margin: 0 auto;  
}
```

```
/* Input field styling */  
  
input[type="text"],  
input[type="email"],  
input[type="password"] {  
    width: 100%;  
    padding: 10px;  
    margin: 10px 0;  
    border: none;  
    border-radius: 5px;  
    background-color: #faf5f5;  
    color: black;  
}
```

```
/* Submit button styling */  
  
input[type="submit"] {  
    background-color: #a6c4d8;  
    color: black;  
    border: none;  
    border-radius: 5px;  
    padding: 10px 20px;  
    cursor: pointer;  
}
```

```
/* Apply hover effect to the submit button */
input[type="submit"]:hover {
    background-color: #0b32e0;
}
</style>
</head>
<body>
<div class="form-container">
    <h2>Contact Us</h2>
    <form action="#" method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" placeholder="Your name" required>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" placeholder="Your email" required>

        <label for="password">Password:</label>
        <input type="password" id="password" name="password" placeholder="Your password"
required>

        <input type="submit" value="Submit">
    </form>
</div>
</body>
</html>
```

Output :

Contact Us

Name:

Email:

Password:

Submit