

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>Assingment</title>
  <!-- css internal -->
  <style>
    .run{
      border: 2px solid black;
    }
  </style>
  <!-- External CSS -->
  <link href="st.css" rel="stylesheet">
</head>
<body>
  <!-- when we target same elemwnt with inline,external,internal css.priority goes to
inline CSS. -->
  <div class="run" style="border: 4px solid yellow;"><p>
    Lorem ipsum dolor sit amet consectetur adipisicing elit. Eligendi quaerat et vitae
    incidunt officia cumque accusamus a placeat. Exercitationem cupiditate facere, vitae
    aspernatur labore in omnis soluta facilis quos est.
  </p></div>
  <div class="fun">
    Lorem ipsum dolor sit amet consectetur adipisicing elit. Nihil, ratione! Alias ea
    modi sunt numquam asperiores dolores fuga placeat quas iusto consectetur, esse maiores
    delectus officia veritatis voluptas ratione vitae!
  </div>
  <div class="gun">
    Lorem ipsum dolor sit amet consectetur adipisicing elit. Consequatur tempore
    incidunt temporibus officiis aut iure obcaecati ab maiores molestiae nam suscipit quam
    dignissimos expedita, ipsa a illo quaerat sequi provident.
  </div>
</body>
</html>
```

External CSS

```
.run{
border:2px solid red;
}
```

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.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>BEM</title>
  <link href="ass2.css" rel="stylesheet">
</head>
<body>
  <section class="text-sec">
    <p class="text-sec text-sec__para--pri">
      This is the primary paragraph with a larger font size and bold text.
    </p>
    <p class="text-sec text-sec__para--seco">
      This is secondary para with italic font.
    </p>
    <p class="text-sec text-sec__para--tri">
      This is highleted text .
    </p>
  </section>
</body>
</html>
```

/******CSS******/

```
.text-sec{
  padding: 20px;
  font-family: Arial, Helvetica, sans-serif;
}
.text-sec__para{
  margin: 10px 0;
  line-height: 1.5;
}
.text-sec__para--pri{
  font-size: 1.2em;
  color: #333;
}
.text-sec__para--seco{
  font-style: italic;
  color: #559;
}
.text-sec__para--tri{
  background-color: yellow;
  padding: 50px;
}
```

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.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Form </title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>

  <h1>Sign Up Form</h1>
  <div class="form_container">
    <form class="form">
      <fieldset class="form__sec">
        <legend>Personal Details</legend>
        <label class="form__sec-label">Name</label>
        <input class="form__sec-input" type="text" id="Name" name=name placeholder="YOUR
NAME" required>
        <label class="form__sec-label">Email</label>
        <input class="form__sec-input" type="text" id="email" name=email placeholder="Email
Please" required>
      </fieldset>
      <fieldset class="form__seco">
        <legend>Message</legend>
        <label class="form__seco--message">Your message</label>
        <input class="form__seco--input" type="text" id="MESSAGE" name=MESSAGE
placeholder="MESSAGE" required>
      </fieldset>
      <button class="form__button">Submit</button>
    </form>
  </div>

</body>
</html>
```

CSS

```
body {
  font-family: Arial, sans-serif;
  background-color: #f5f5f5;
  display: flex;
  flex-direction: column;
  align-items: center;
  padding-top: 50px;
  margin: 0;
}

h1 {
  color: #333;
}

.form_container{
  background-color: #e0f7fa;
  padding: 20px;
  width: 90%;
  max-width: 300px;
}
```

```
        border-radius: 5px;
    }

    .form_sec{
        border: none;
        margin-bottom: 15px;
    }

    .form_sec-label {
        font-weight: bold;
        display: block;
        margin-top: 10px;
        color: #333;
    }

    .form_button{
        width: 100%;
        padding: 10px;
        background-color: tan;
        color: white;
        font-size: 1em;
        border: none;
        border-radius: 3px;
    }
```