

Starting with CSS

Assignment Solution



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.

index.html

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Assignment</title>

  <!-- Inline styles -->
  <style>
    .internal {
      color: green;
    }

    .inline__internal {
      color: red;
    }

    .internal__ext {
      color: brown;
    }

    .inline__internal__external {
      color: aqua;
    }
  </style>

  <!-- depending on the order external wins between internal and external since I have
  external imported after internal -->
  <link rel="stylesheet" href="style.css">
</head>

<body>
  <div style="color: red;">Inline</div>
  <div class="internal">Internal</div>
  <div class="external">External</div>
  <div style="color: blueviolet;" class="inline__internal">Inline + Internal</div>
  <div class="int__external internal__ext">Internal + External</div>
  <div style="color: blueviolet;" class="inline__internal__external">Inline + Internal +
  External</div>
</body>

</html>
```

```
style.css.external {  
  color: blue;  
}  
  
.int__external {  
  color: green;  
}  
  
.inline__internal__external {  
  color: bisque;  
}
```

Inline

Internal

External

Inline + Internal

Internal + External

Inline + Internal + External

- 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>Assignment</title>  
  
  <style>  
    .main__heading {  
      color: red;  
    }  
  
    .main__subheading {  
      color: blue;  
    }  
  
    .hero__title {  
      color: green;  
    }  
  
    .hero__description {  
      color: brown;  
    }  
  </style>  
</head>  
  
<body>  
  <h1>Hello World</h1>  
  <h2>This is a test</h2>  
  <p>This is a paragraph</p>  
</body>
```

```
.btn {  
  background-color: #54fa54;  
}  
  
.hero__btn-primary {  
  background-color: purple;  
  color: wheat;  
}  
  
.hero__btn-secondary {  
  background-color: pink;  
}  
</style>  
</head>  
  
<body>  
  <div class="main">  
    <p class="main__heading">This is my main heading</p>  
    <p class="main__subheading">This is my sub heading</p>  
  </div>  
  
  <div class="hero">  
    <p class="hero__title">This is my hero title</p>  
    <p class="hero__description">This is my hero description</p>  
    <button class="btn hero__btn-primary">This is my primary hero button</button>  
    <button class="btn hero__btn-secondary">This is my secondary hero button</button>  
  </div>  
</body>  
</html>
```

This is my main heading

This is my sub heading

This is my hero title

This is my hero description

This is my primary hero button

This is my secondary hero button

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>Assignment</title>

  <style>
    .firstName {
      background-color: red;
    }

    .lastName {
      background-color: green;
    }

    .email {
      background-color: yellow;
    }

    #terms:checked {
      /* This is the property used to color checkbox checked state */
      accent-color: violet;
    }

    button {
      opacity: 50%;
    }
  </style>
</head>

<body>
  <form>
    <label for="firstName">First Name:
      <input type="text" name="firstName" class="firstName" placeholder="John" id="firstName"
required minlength=3
      max=20 />
    </label>
    <br>
    <label for="lastName">Last Name:
      <input type="text" name="lastName" class="lastName" placeholder="Doe" id="lastName"
required min=3 max=20 />
    </label>
    <br>
```

```
<label for="email">Email:
  <input type="email" name="email" class="email" placeholder="john@doe.com" id="email"
required />
</label>
<br>
<label for="password">Password:
  <input type="password" name="password" class="password" placeholder="*****"
id="password" required min=8 />
</label>
<br>
<label for="confirmPassword">Confirm Password:
  <input type="password" name="confirmPassword" class="confirmPassword"
placeholder="*****" id="confirmPassword"
  required />
</label>
<br>
<label for="age">Age:
  <input type="number" name="age" class="age" placeholder="38" id="age" required min=0
max=150 />
</label>
<br>
<label for="">Gender:
  <input type="radio" id="male" value="male" name="gender" checked />
  <label for="male">Male</label>
  <input type="radio" id="female" value="female" name="gender" />
  <label for="female">Female</label>
  <input type="radio" id="other" value="other" name="gender" />
  <label for="other">Other</label>
</label>
<br>
<label for="terms">terms:
  <input type="checkbox" id="terms" required class="checkbox" /> I agree to terms and
conditions
</label>
<br>
<button type="submit">Register</button>
</form>
</body>

</html>
```

First Name:

Last Name:

Email:

Password:

Confirm Password:

Age:

Gender: ☒ Male ☐ Female ☐ Other

terms: ☐ I agree to terms and conditions