**-PW Skills Assignment**

**-Starting with CSS**

**Q.1**

**What is CSS and why use it?**

**Answer:**

**CSS** stands for **Cascading Style Sheets**, is a vital component of web development that plays a pivotal role in separating content from presentation. It empowers web developers to craft visually appealing and consistent websites by providing precise control over the styling and layout of web elements. CSS facilitates responsive design, ensuring that websites adapt seamlessly to various devices and screen sizes. Its efficiency and reusability reduce development time and enhance maintainability. Furthermore, CSS contributes to improved accessibility and user experience, making websites more inclusive. With broad browser support and a standardized approach, CSS is a foundational technology that underpins modern web design and is indispensable for creating polished, efficient, and user-friendly online experiences.

**Q.2**

**What are the different ways to bring CSS into an HTML file?**

**Answer:**

There are different ways to bring CSS into an HTML file:

**Inline CSS** Apply styles directly within HTML elements using the style attribute.

**Internal CSS** Place CSS styles in a **<style>** element in the **<head>** section of the HTML document.

**External CSS** Create a separate **.css** file and link it to HTML using the **<link>** element.

**Imported CSS** Import an external CSS file into another CSS file using the **@import** rule.

CSS in **<head>** section Include CSS directly in the <head> section using a **<style>** element with **type="text/css"**.

**Q.3**

**What do you mean by specificity in CSS?**

**Answer:**

Specificity in CSS is a critical concept that defines how conflicting or overlapping style rules are resolved when styling HTML elements. It determines which styles take precedence based on a hierarchy or weight system:

1. Inline styles have the highest specificity.

2. ID selectors have higher specificity than class selectors, attribute selectors, and pseudo-classes.

3. Element selectors and pseudo-elements have the lowest specificity.

4. Combining the selectors increases specificity.

5. The !important declaration can override all specificity considerations.

Developers and designers should have a good understanding of specificity to effectively style web pages, manage style conflicts, and ensure that their intended styles are applied consistently. By following these rules and best practices, CSS can be used to create well-structured and maintainable styles for websites and web applications.