

Assignment 3(subject:WTtut)

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Aim: Create a web page with all types of Cascading style sheets

Theory:

i) What are Cascading style sheets?

→Cascading Style Sheets (CSS) are a styling language used to describe the presentation of a document written in a markup language like HTML. CSS allows web designers to control the layout, fonts, colors, spacing, and other visual aspects of web pages. It works by selecting HTML elements and applying styles to them, either directly within the HTML document or externally through a separate CSS file.

→CSS operates on a cascading principle, meaning that styles can be inherited from parent elements, overridden by more specific rules, and applied in a specific order defined by the cascade. This allows for a separation of content and presentation, making it easier to maintain and update the design of a website across multiple pages.

ii) What is the purpose & advantage of using CSS?

→Device compatibility: CSS enables the creation of responsive designs that adapt to different screen sizes and devices, ensuring a consistent user experience across desktops, tablets, and smartphones.

→**Consistency:** CSS enables consistent styling across multiple pages of a website or even across different websites. By defining styles in a central CSS file, designers can ensure that all elements have a uniform appearance.

→Flexibility: CSS offers a high degree of control over the visual presentation of web pages. Designers can specify the layout, fonts, colors, spacing, and other stylistic aspects with precision.

→Accessibility: CSS provides mechanisms for creating accessible designs, such as defining proper contrast ratios for text and background colors, ensuring readability for users with visual impairments.

iii) What is Inline CSS, Internal CSS, External CSS?

→Inline CSS: Inline CSS involves applying styles directly to HTML elements using the style attribute.

⇒<p style="color: red; font-size: 16px;">inline CSS.</p>

→Internal CSS: Internal CSS involves defining styles within the <style> element in the <head> section of an HTML document.

⇒<style>

 p {

 color: blue;

 font-size: 14px;

 }

</style>

→External CSS: External CSS involves defining styles in a separate CSS file and linking it to an HTML document using the <link> element.

⇒<link rel="stylesheet" href="style.css">

⇒Inside style.css

p {

 color: green;

 font-size: 18px;

}

Code:

HTML:

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

```
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,
initial-scale=1.0">
<title>Indian Navy</title>
<link rel="stylesheet" href="main.css">

<style>
    header{
        color: blue;
        text-align: center;
    }

    h1 {
        margin-top: 0;
    }

    h2{
        padding: 20px;
        text-align: center;
    }

    .join-now{
        width: 100%;
        display: flex;
        align-items: center;
        justify-content: center;
    }

    button{
        margin: 50px;
        color:red;
        background-color: transparent;
        border: 5px black bold;
    }

    nav {
        display: flex;
        justify-content: center;
        background-color: #333; /* Background color for the
navigation bar */
    }

    nav ul {
        list-style-type: none;
```

```
        margin: 0;
        padding: 0;
        overflow: hidden;
    }

    nav ul li {
        display: inline;
    }

    nav ul li a {
        display: block;
        color: white;
        text-align: center;
        padding: 14px 16px;
        text-decoration: none;
    }

    nav ul li a:hover {
        background-color: #111; /* Background color on hover */
    }

    body {
        margin: 0;
        padding: 0;
        display: flex;
        min-height: 100vh;
        flex-direction: column;
    }

    main {
        flex: 1;
    }

    footer {
        background-color: #333;
        color: white;
        text-align: center;
        padding: 20px;
    }
</style>
```

```
</head>
```

```

<body style="background :
url (/home/veeransh/Desktop/Lab_work/WT/image/indian_navy.jpg);
background-size:auto">
  <header>
    <h1>Indian Navy</h1>
  </header>

  <nav>
    <ul>
      <li><a href="https://indiannavy.nic.in/">Home</a></li>
      <li><a
href="https://indiannavy.nic.in/content/about-us">About</a></li>
      <li><a
href="https://indiannavy.nic.in/content/organisation">Services</a></li>
      <li><a
href="https://www.joinindiannavy.gov.in/">Careers</a></li>
    </ul>
  </nav>

  <main>
    <section>
      <h2>Welcome to the Indian Navy</h2>
    </section>

    <div class="join-now">
      <button><h3>Join indian navy</h3></button>
    </div>
  </main>

  <footer>
    <p>&copy; 2024 Indian Navy. All rights reserved.</p>
  </footer>
</body>
</html>

```

CSS:

```

*{

```

```
font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS',
sans-serif;
}

body, h1, h2, p, ul {
margin: 0;
padding: 0;
}

header {
background-color: navy;
color: white;
padding: 20px;
text-align: center;
}

nav {
background-color: #f0f0f0;
padding: 10px;
}

nav ul {
list-style-type: none;
margin: 0;
padding: 0;
text-align: center;
}

nav ul li {
display: inline;
margin-right: 20px;
}

nav ul li a {
text-decoration: none;
color: navy;
}

nav ul li a:hover {
color: darkblue;
}

main {
```

```
padding: 20px;
}

footer {
  bottom: 0;
  width: 100%;
  position: fixed;
  background-color: navy;
  color: white;
  padding: 10px;
  text-align: center;
}
```

Output :

