

Ex. No. 4	Navigation Bar using CSS
Date of Exercise	01/08/2025

Aim :

To design a single-page website containing a **Sign-In** and **Sign-Up** form with a **horizontal navigation bar**, styled using **HTML and external CSS**, incorporating CSS positioning, form styling, background images, and pseudo-class effects like hover and focus.

Description :

A responsive web page was developed with a fixed navbar, banners, and styled forms. CSS features like positioning, form styling, and pseudo-classes enhanced the design.

Procedure :**Create HTML File**

- Use `<!DOCTYPE html>` to declare the HTML document.
- Add essential structure using `<html>`, `<head>`, and `<body>` tags.
- Insert the `<link>` tag inside `<head>` to include an external CSS file (e.g., `style.css`).

Design the Navigation Bar

- Create a horizontal navigation bar using an unordered list `` and list items ``.
- Use CSS to style the nav bar, set its position to fixed, and customize it with hover effects.

Add Banner Background Images

- Use `<div>` elements to insert two background images as banners.
- Set background properties using CSS (`background-image`, `background-size`, `position`, etc.).

Create Sign-In and Sign-Up Forms

- Use `<form>` tags to create Sign-In and Sign-Up boxes with input fields like email, password, etc.
- Apply form styling using external CSS – including:
 - `box-shadow`
 - `border-radius` for rounded corners
 - Custom colors and font styles

Apply Positioning

- Position the forms using CSS properties like `relative`, `absolute`, or `fixed` as required.

Use CSS Pseudo-Classes

- Apply `:hover` on buttons and nav items.

Program

Signin.html	Signup.html
<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8" /> <meta name="viewport" content="width=device-width, initial- scale=1.0" /> <title>Sign In </title> <link rel="stylesheet" href="signin.css" /> </head> <body> <section class="banner" id="home"> <div class="banner-text"> <h1>GOOGLE</h1> <p>Authentication Check</p> </div> </section> <section class="form-section" id="signin"> <div class="form-box"> <h2>Sign In</h2> <form> <h1>User <input type="text" placeholder="Username" required /></h1> <h1>Password <input type="password" placeholder="Password" required /></h1> <button type="submit">Login</button> </form> </div> </section> </body> </html> </pre>	<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8" /> <meta name="viewport" content="width=device-width, initial-scale=1.0" /> <title>Sign Up</title> <link rel="stylesheet" href="signup.css" /> </head> <body> <!-- Banner Section --> <section class="banner banner-2" id="about"> <div class="banner-text"> <h1>Join Our Community</h1> <p></p> </div> </section> <!-- Sign Up Section --> <section class="form-section" id="signup"> <!-- Side Info --> <div class="side-container"> <p>Welcome! Please register to join.</p> </div> <!-- Form --> <div class="form-box"> <h2>Sign Up</h2> <form> <h1>Name <input type="text" placeholder="Full Name" required /></h1> <h1>Email <input type="email" placeholder="Email" required /></h1> <h1>Pasword <input type="password" placeholder="Password" required /></h1> <button type="submit">Register</button> </form> </div> </section> </body> </html> </pre>

Signin.css	Signup.css
<pre>body { font-family: Arial, sans-serif; background: url('g.jpg') no-repeat center/cover fixed; margin: 0; } /* Gradient Divider */ hr.gradient { border: 0; height: 4px; border-radius: 2px; background: linear-gradient(90deg, #2980b9 0%, #f4f6fb 100%); margin: 30px 0; } /* Navbar */ .navbar { background: #2c3e50; padding: 10px 0; text-align: center; } .navbar ul { list-style: none; margin: 0; padding: 0; } .navbar li { display: inline-block; margin: 0 15px; } .navbar a { color: #fff; text-decoration: none; font-weight: bold; font-size: 16px; } .navbar a:hover { text-decoration: underline; } .banner { background: #2980b9; color: #fff; text-align: center; padding: 40px 0 20px; } .banner-text h1 { margin: 0 0 10px; font-size: 2.2em; }</pre>	<pre>body { font-family: Arial, sans-serif; background: url('h.jpg') no-repeat center/cover fixed; margin: 0; } /* Navbar */ .navbar { background: #34495e; padding: 10px 0; text-align: center; } .navbar ul { list-style: none; margin: 0; padding: 0; } .navbar li { display: inline-block; margin: 0 15px; } .navbar a { color: #fff; text-decoration: none; font-weight: bold; } .navbar a:hover { text-decoration: underline; } /* Banner */ .banner-2 { background: #16a085; color: #fff; text-align: center; padding: 40px 0 20px; } .banner-text h1 { margin: 0 0 10px; font-size: 2.2em; } .banner-text p { margin: 0; font-size: 1.1em; } /* Form Section */ .form-section { display: flex; justify-content: center; align-items: center; gap: 40px; padding: 40px 20px; flex-wrap: wrap; } .side-container, .form-box {</pre>

<pre> .banner-text p { margin: 0; font-size: 1.1em; } /* Form Section */ .form-section { display: flex; justify-content: center; align-items: center; min-height: 40vh; } .form-box { background: #fff; padding: 30px 25px; border-radius: 10px; box-shadow: 0 2px 10px rgba(44,62,80,0.1); max-width: 350px; width: 100%; text-align: center; } .form-box h2 { color: #2980b9; margin-bottom: 20px; } .form-box input, .form-box button { width: 100%; padding: 10px; margin-bottom: 15px; border-radius: 5px; font-size: 1em; } .form-box input { border: 1px solid #ccc; } .form-box button { background: #2980b9; color: #fff; border: none; font-weight: bold; cursor: pointer; transition: background 0.2s; } .form-box button:hover { background: #1a5a85; } </pre>	<pre> background: #fff; border-radius: 10px; box-shadow: 0 2px 10px rgba(0,0,0,0.1); padding: 30px 20px; text-align: center; } .side-container { background: rgba(255,255,255,0.85); max-width: 200px; } .side-container img { max-width: 120px; margin-bottom: 15px; } .form-box { width: 100%; max-width: 350px; } .form-box h2 { color: #16a085; margin-bottom: 20px; } .form-box input, .form-box button { width: 100%; padding: 10px; margin-bottom: 15px; border-radius: 5px; border: 1px solid #ccc; } .form-box button { background: #16a085; color: #fff; font-weight: bold; border: none; cursor: pointer; } .form-box button:hover { background: #117864; } /* Responsive */ @media (max-width: 768px) { .form-section { flex-direction: column; gap: 20px; } .side-container { width: 100%; max-width: none; } } .clearfix { clear: both; } </pre>
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Output :

The image displays two web forms side-by-side. The top form is titled 'GOOGLE Authentication Check' and is a 'Sign In' form. It has a 'User' field with the text 'ABUNESH' and a 'Password' field with masked characters '*****'. A blue 'Login' button is at the bottom. The background is a dark space scene with an astronaut. The bottom form is titled 'Join Our Community' and is a 'Sign Up' form. It has a 'Name' field with the placeholder 'Full Name', an 'Email' field with the placeholder 'Email', and a 'Pasword' field with the placeholder 'Password'. A green 'Register' button is at the bottom. The background is a colorful mountain landscape. A small image of a dragon's head is also visible on the left side of the bottom form.

Result

The above code for Resume page has been executed successfully and the output obtained