Code html:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Responsive Webpage</title>

<link rel="stylesheet" href="styles.css" />

</head>

<body>

<header>

<h1>Responsive Design Demo</h1>

<nav>

<ul class="nav-links">

<li><a href="#">Home</a></li>

<li><a href="#">About</a></li>

<li><a href="#">Contact</a></li>

</ul>

</nav>

</header>

<main>

<section class="content">

<h2>Welcome!</h2>

<p>This webpage adjusts its layout based on the screen size.</p>

</section>

</main>

<footer>

<p>&copy; 2025 Responsive Demo</p>

</footer>

<script src="script.js"></script>

</body>

</html>

Code css:

\* {

box-sizing: border-box;

margin: 0;

padding: 0;

}

body {

font-family: Arial, sans-serif;

line-height: 1.6;

padding: 20px;

background-color: #fef7e0;

}

header {

background-color: #333;

color: white;

padding: 10px 0;

text-align: center;

}

.nav-links {

list-style: none;

display: flex;

justify-content: center;

gap: 20px;

}

.nav-links a {

color: white;

text-decoration: none;

}

main .content {

margin: 20px auto;

max-width: 800px;

padding: 20px;

background-color: white;

border-radius: 8px;

}

footer {

text-align: center;

margin-top: 40px;

color: #555;

}

/\* Responsive styles \*/

@media (max-width: 600px) {

.nav-links {

flex-direction: column;

}

.content {

padding: 10px;

}

}

Javasccript:

// Just a demo interaction

window.addEventListener('resize', () => {

console.log(`Current screen width: ${window.innerWidth}px`);

});