1.

**HTML Structure:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Simple Web Page Layout</title>

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

</head>

<body>

<header>

<h1>My Website</h1>

</header>

<nav>

<ul>

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

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

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

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

</ul>

</nav>

<main>

<section class="content">

<h2>Welcome!</h2>

<p>This is a sample webpage layout with text and images.</p>

<div class="images">

<img src="https://via.placeholder.com/150" alt="Sample 1">

<img src="https://via.placeholder.com/150" alt="Sample 2">

<img src="https://via.placeholder.com/150" alt="Sample 3">

</div>

</section>

</main>

<footer>

<p>&copy; 2025 My Website</p>

</footer>

</body>

</html>

**✅ CSS (styles.css):**

css

CopyEdit

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

font-family: Arial, sans-serif;

line-height: 1.6;

}

header {

background-color: #4CAF50;

color: white;

padding: 20px;

text-align: center;

}

nav {

background-color: #333;

}

nav ul {

list-style: none;

display: flex;

justify-content: center;

padding: 10px 0;

}

nav ul li {

margin: 0 15px;

}

nav ul li a {

color: white;

text-decoration: none;

}

nav ul li a:hover {

text-decoration: underline;

}

main {

padding: 30px;

background-color: #f9f9f9;

}

.content {

max-width: 900px;

margin: 0 auto;

text-align: center;

}

.images {

display: flex;

justify-content: center;

flex-wrap: wrap;

gap: 15px;

margin-top: 20px;

}

.images img {

width: 150px;

height: auto;

border-radius: 8px;

}

footer {

background-color: #4CAF50;

color: white;

text-align: center;

padding: 15px;

position: relative;

bottom: 0;

width: 100%;

}

2.

**HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Responsive Navbar</title>

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

</head>

<body>

<nav class="navbar">

<ul class="nav-links">

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

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

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

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

</ul>

</nav>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

/\* Reset default styles \*/

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

font-family: Arial, sans-serif;

}

.navbar {

background-color: #333;

padding: 10px 0;

}

.nav-links {

display: flex;

justify-content: center;

list-style: none;

flex-wrap: wrap;

}

.nav-links li {

margin: 10px 20px;

}

.nav-links a {

color: white;

text-decoration: none;

font-size: 18px;

padding: 8px 12px;

transition: background 0.3s;

}

.nav-links a:hover {

background-color: #555;

border-radius: 4px;

}

/\* Responsive layout for screens <= 600px \*/

@media (max-width: 600px) {

.nav-links {

flex-direction: column;

align-items: center;

}

.nav-links li {

margin: 10px 0;

}

}

3.

**HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Centered Div</title>

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

</head>

<body>

<div class="center-container">

<div class="center-box">

<h2>Hello World!</h2>

<p>This box is centered both vertically and horizontally.</p>

</div>

</div>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

/\* Full height for the body \*/

body, html {

height: 100%;

margin: 0;

}

/\* Container to use flexbox \*/

.center-container {

display: flex;

justify-content: center; /\* centers horizontally \*/

align-items: center; /\* centers vertically \*/

height: 100vh; /\* full viewport height \*/

}

/\* Inner box style \*/

.center-box {

padding: 30px;

background-color: #f0f0f0;

border: 1px solid #ccc;

box-shadow: 0 0 10px rgba(0,0,0,0.1);

text-align: center;

}

4.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Responsive Image Gallery</title>

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

</head>

<body>

<div class="gallery">

<img src="https://via.placeholder.com/300" alt="Image 1">

<img src="https://via.placeholder.com/300" alt="Image 2">

<img src="https://via.placeholder.com/300" alt="Image 3">

<img src="https://via.placeholder.com/300" alt="Image 4">

<img src="https://via.placeholder.com/300" alt="Image 5">

<img src="https://via.placeholder.com/300" alt="Image 6">

<img src="https://via.placeholder.com/300" alt="Image 7">

<img src="https://via.placeholder.com/300" alt="Image 8">

</div>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

body {

margin: 0;

font-family: Arial, sans-serif;

background-color: #fafafa;

}

.gallery {

display: grid;

grid-template-columns: repeat(4, 1fr);

gap: 15px;

padding: 20px;

}

.gallery img {

width: 100%;

height: auto;

border-radius: 8px;

box-shadow: 0 4px 6px rgba(0,0,0,0.1);

transition: transform 0.2s ease;

}

.gallery img:hover {

transform: scale(1.05);

}

/\* Responsive: 1 column on smaller screens \*/

@media (max-width: 768px) {

.gallery {

grid-template-columns: 1fr;

}

}

5.

**✅ HTML:**

**html**

**CopyEdit**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8" />**

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

**<title>Contact Form</title>**

**<link rel="stylesheet" href="style.css" />**

**</head>**

**<body>**

**<div class="form-container">**

**<form class="contact-form" action="#" method="post">**

**<h2>Contact Us</h2>**

**<label for="name">Name:</label>**

**<input type="text" id="name" name="name" required />**

**<label for="email">Email:</label>**

**<input type="email" id="email" name="email" required />**

**<label for="message">Message:</label>**

**<textarea id="message" name="message" rows="4" required></textarea>**

**<button type="submit">Submit</button>**

**</form>**

**</div>**

**</body>**

**</html>**

**✅ CSS (style.css):**

**css**

**CopyEdit**

**body {**

**font-family: Arial, sans-serif;**

**background-color: #eef2f3;**

**margin: 0;**

**padding: 0;**

**}**

**.form-container {**

**max-width: 500px;**

**margin: 50px auto;**

**background-color: #ffffff;**

**padding: 25px;**

**border-radius: 8px;**

**box-shadow: 0 4px 8px rgba(0,0,0,0.1);**

**}**

**.contact-form h2 {**

**text-align: center;**

**margin-bottom: 20px;**

**color: #333;**

**}**

**.contact-form label {**

**display: block;**

**margin-top: 15px;**

**margin-bottom: 5px;**

**font-weight: bold;**

**}**

**.contact-form input,**

**.contact-form textarea {**

**width: 100%;**

**padding: 10px;**

**border-radius: 5px;**

**border: 1px solid #ccc;**

**box-sizing: border-box;**

**}**

**.contact-form button {**

**margin-top: 20px;**

**width: 100%;**

**padding: 12px;**

**background-color: #007BFF;**

**color: #fff;**

**font-size: 16px;**

**border: none;**

**border-radius: 5px;**

**cursor: pointer;**

**}**

**.contact-form button:hover {**

**background-color: #0056b3;**

**}**

6.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Fixed Header Example</title>

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

</head>

<body>

<header class="fixed-header">

<h1>My Fixed Header</h1>

</header>

<main class="content">

<p>Welcome to the scrolling content area!</p>

<!-- Repeating paragraphs to show scrolling -->

<p>Lorem ipsum dolor sit amet...</p>

<p>Lorem ipsum dolor sit amet...</p>

<p>Lorem ipsum dolor sit amet...</p>

<p>Lorem ipsum dolor sit amet...</p>

<p>Lorem ipsum dolor sit amet...</p>

<p>Lorem ipsum dolor sit amet...</p>

<p>Lorem ipsum dolor sit amet...</p>

<p>Lorem ipsum dolor sit amet...</p>

<p>Lorem ipsum dolor sit amet...</p>

</main>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

body {

margin: 0;

font-family: Arial, sans-serif;

}

.fixed-header {

position: fixed;

top: 0;

width: 100%;

background-color: #333;

color: white;

padding: 15px 20px;

box-shadow: 0 2px 4px rgba(0,0,0,0.3);

z-index: 1000;

}

.content {

margin-top: 80px; /\* Offset for fixed header height \*/

padding: 20px;

line-height: 1.6;

}

7.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Hover Button</title>

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

</head>

<body>

<button class="hover-button">Click Me</button>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

.hover-button {

background-color: #007BFF;

color: white;

border: none;

padding: 12px 24px;

font-size: 16px;

border-radius: 6px;

cursor: pointer;

transition: background-color 0.3s ease, box-shadow 0.3s ease;

}

.hover-button:hover {

background-color: #0056b3;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);

}

8.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Card Component</title>

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

</head>

<body>

<div class="card">

<img src="https://via.placeholder.com/300x200" alt="Card Image" class="card-image">

<h3 class="card-title">Card Title</h3>

<p class="card-description">This is a short description of the card content. It gives a brief overview of the card's information.</p>

</div>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

body {

font-family: Arial, sans-serif;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

margin: 0;

background-color: #f7f7f7;

}

.card {

width: 300px;

border: 1px solid #ddd;

border-radius: 8px;

padding: 20px;

background-color: white;

box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);

text-align: center;

}

.card-image {

width: 100%;

border-radius: 8px;

object-fit: cover;

}

.card-title {

font-size: 1.5em;

margin: 15px 0;

}

.card-description {

color: #555;

font-size: 1em;

line-height: 1.4;

}

9.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Login Form</title>

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

</head>

<body>

<div class="login-container">

<form class="login-form">

<h2>Login</h2>

<label for="username">Username:</label>

<input type="text" id="username" name="username" required />

<label for="password">Password:</label>

<input type="password" id="password" name="password" required />

<button type="submit">Login</button>

</form>

</div>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

body {

font-family: Arial, sans-serif;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

margin: 0;

background-color: #f4f4f9;

}

.login-container {

background-color: white;

padding: 30px;

border-radius: 8px;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

width: 300px;

text-align: center;

}

.login-form h2 {

margin-bottom: 20px;

font-size: 1.8em;

color: #333;

}

label {

display: block;

margin-bottom: 8px;

color: #555;

font-size: 1em;

}

input[type="text"],

input[type="password"] {

width: 100%;

padding: 12px;

margin: 10px 0 20px 0;

border: 1px solid #ccc;

border-radius: 8px;

background-color: #f9f9f9;

font-size: 1em;

box-sizing: border-box;

}

input[type="text"]:focus,

input[type="password"]:focus {

border-color: #007BFF;

outline: none;

background-color: #eef8ff;

}

button {

width: 100%;

padding: 12px;

background-color: #007BFF;

color: white;

border: none;

border-radius: 8px;

font-size: 1em;

cursor: pointer;

transition: background-color 0.3s ease;

}

button:hover {

background-color: #0056b3;

}

10.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Footer with Social Media Links</title>

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

</head>

<body>

<footer>

<div class="social-media">

<a href="https://facebook.com" target="\_blank" class="social-icon facebook"></a>

<a href="https://twitter.com" target="\_blank" class="social-icon twitter"></a>

<a href="https://instagram.com" target="\_blank" class="social-icon instagram"></a>

</div>

</footer>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

/\* Footer Styles \*/

footer {

background-color: #333;

padding: 20px 0;

text-align: center;

color: white;

}

/\* Social Media Links \*/

.social-media {

display: flex;

justify-content: center;

align-items: center;

}

.social-icon {

width: 40px;

height: 40px;

margin: 0 15px;

background-size: contain;

background-repeat: no-repeat;

display: inline-block;

transition: transform 0.3s ease, filter 0.3s ease;

}

.facebook {

background-image: url('https://upload.wikimedia.org/wikipedia/commons/5/51/Facebook\_f\_logo\_%282019%29.svg');

}

.twitter {

background-image: url('https://upload.wikimedia.org/wikipedia/commons/6/60/Twitter\_Logo\_as\_of\_2021.svg');

}

.instagram {

background-image: url('https://upload.wikimedia.org/wikipedia/commons/a/a5/Instagram\_icon.png');

}

/\* Hover Effects \*/

.social-icon:hover {

transform: scale(1.1); /\* Slight zoom effect \*/

filter: brightness(1.2); /\* Brighter icons on hover \*/

}

/\* Additional Styling for Social Media Links \*/

a {

text-decoration: none; /\* Remove default underline \*/

}

11.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Responsive Image</title>

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

</head>

<body>

<div class="image-container">

<img src="https://via.placeholder.com/1200x600" alt="Responsive Image" class="responsive-image" />

</div>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

/\* Image Container Styles \*/

.image-container {

width: 100%;

max-width: 100%;

overflow: hidden; /\* Prevents image overflow \*/

}

/\* Responsive Image Styles \*/

.responsive-image {

width: 100%; /\* Makes the image span the full width of its container \*/

height: auto; /\* Maintains the aspect ratio \*/

display: block; /\* Removes the space below the image \*/

object-fit: cover; /\* Ensures the image covers the container if needed \*/

}

12.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Simple Grid Layout</title>

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

</head>

<body>

<div class="grid-container">

<section class="grid-item">

<h2>About Us</h2>

<p>Information about the company.</p>

</section>

<section class="grid-item">

<h2>Services</h2>

<p>Details about the services offered.</p>

</section>

<section class="grid-item">

<h2>Contact</h2>

<p>How to contact us.</p>

</section>

</div>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

/\* Grid Container \*/

.grid-container {

display: grid;

grid-template-columns: repeat(3, 1fr); /\* 3 equal-width columns \*/

gap: 20px; /\* Space between the grid items \*/

padding: 20px;

}

/\* Grid Items \*/

.grid-item {

background-color: #f4f4f4;

padding: 20px;

border-radius: 8px;

box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);

}

/\* Media Query for Smaller Screens \*/

@media (max-width: 768px) {

.grid-container {

grid-template-columns: 1fr; /\* Stack items in a single column \*/

}

}

13.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Modal Window</title>

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

</head>

<body>

<!-- Button to trigger the modal -->

<button id="openModalBtn">Open Modal</button>

<!-- The Modal -->

<div id="myModal" class="modal">

<!-- Modal Content -->

<div class="modal-content">

<span class="close-btn">&times;</span>

<h2>Modal Title</h2>

<p>This is the content of the modal window.</p>

</div>

</div>

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

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

/\* Modal Styles \*/

.modal {

display: none; /\* Hidden by default \*/

position: fixed;

z-index: 1; /\* Sit on top \*/

left: 0;

top: 0;

width: 100%;

height: 100%;

background-color: rgba(0, 0, 0, 0.4); /\* Black background with opacity \*/

padding-top: 60px; /\* Position the modal content \*/

}

/\* Modal Content \*/

.modal-content {

background-color: #fff;

margin: 5% auto;

padding: 20px;

border: 1px solid #888;

width: 80%;

max-width: 400px;

border-radius: 10px;

text-align: center;

}

/\* Close Button \*/

.close-btn {

color: #aaa;

font-size: 28px;

font-weight: bold;

position: absolute;

top: 10px;

right: 25px;

cursor: pointer;

}

.close-btn:hover,

.close-btn:focus {

color: black;

text-decoration: none;

cursor: pointer;

}

**✅ JavaScript (script.js):**

javascript

CopyEdit

// Get modal and button elements

const modal = document.getElementById("myModal");

const openModalBtn = document.getElementById("openModalBtn");

const closeModalBtn = document.getElementsByClassName("close-btn")[0];

// Open modal when the button is clicked

openModalBtn.onclick = function() {

modal.style.display = "block";

}

// Close modal when the close button is clicked

closeModalBtn.onclick = function() {

modal.style.display = "none";

}

// Close modal when clicking outside of the modal content

window.onclick = function(event) {

if (event.target == modal) {

modal.style.display = "none";

}

}

14.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Simple Footer</title>

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

</head>

<body>

<!-- Content of the page -->

<!-- Footer -->

<footer class="footer">

<p>&copy; 2025 Your Company. All rights reserved.</p>

</footer>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

/\* Footer Styles \*/

.footer {

background-color: #333; /\* Dark background color \*/

color: #fff; /\* White text color \*/

text-align: center; /\* Center the text horizontally \*/

padding: 20px; /\* Add padding inside the footer \*/

position: fixed; /\* Fixed position at the bottom \*/

left: 0;

bottom: 0;

width: 100%; /\* Take full width of the page \*/

}

/\* Optional: Adjust text style in the footer \*/

.footer p {

margin: 0; /\* Remove default margin \*/

font-size: 14px; /\* Set font size \*/

}

15.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Responsive Product Table</title>

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

</head>

<body>

<h1>Product List</h1>

<table class="responsive-table">

<thead>

<tr>

<th>Product Name</th>

<th>Price</th>

<th>Category</th>

<th>Stock</th>

</tr>

</thead>

<tbody>

<tr>

<td>Product A</td>

<td>$19.99</td>

<td>Electronics</td>

<td>Available</td>

</tr>

<tr>

<td>Product B</td>

<td>$29.99</td>

<td>Clothing</td>

<td>Out of Stock</td>

</tr>

<tr>

<td>Product C</td>

<td>$9.99</td>

<td>Home Goods</td>

<td>Available</td>

</tr>

</tbody>

</table>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

/\* Basic table styles \*/

.responsive-table {

width: 100%;

border-collapse: collapse; /\* Remove space between table cells \*/

margin: 20px 0; /\* Margin around the table \*/

}

.responsive-table th,

.responsive-table td {

padding: 12px;

border: 1px solid #ddd; /\* Light gray border \*/

text-align: left;

}

/\* Header styles \*/

.responsive-table th {

background-color: #f4f4f4; /\* Light background for header \*/

font-weight: bold;

}

/\* Responsive behavior: Stacks the table rows into a single column on smaller screens \*/

@media screen and (max-width: 600px) {

.responsive-table {

border: 0; /\* Remove table border \*/

}

.responsive-table thead {

display: none; /\* Hide the header on smaller screens \*/

}

.responsive-table tr {

display: block;

margin-bottom: 10px; /\* Add spacing between rows \*/

}

.responsive-table td {

display: block;

text-align: right;

padding-left: 50%; /\* Add space for labels \*/

position: relative;

}

.responsive-table td::before {

content: attr(data-label); /\* Add labels to the table cells \*/

position: absolute;

left: 10px;

font-weight: bold;

}

.responsive-table td:nth-of-type(1)::before {

content: "Product Name: ";

}

.responsive-table td:nth-of-type(2)::before {

content: "Price: ";

}

.responsive-table td:nth-of-type(3)::before {

content: "Category: ";

}

.responsive-table td:nth-of-type(4)::before {

content: "Stock: ";

}

}

16.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Styled Navigation Bar</title>

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

</head>

<body>

<nav class="navbar">

<ul class="navbar-links">

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

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

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

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

</ul>

</nav>

</body>

</html>

**✅ CSS (style.css):**

css

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/\* General reset for body and html \*/

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

/\* Styling the navigation bar container \*/

.navbar {

background-color: #333; /\* Dark background color for navbar \*/

width: 100%;

text-align: center;

padding: 10px 0; /\* Some padding at the top and bottom \*/

}

/\* Styling the unordered list in the navbar \*/

.navbar-links {

list-style: none; /\* Remove bullet points from list \*/

display: flex; /\* Use flexbox to align the links horizontally \*/

justify-content: center; /\* Center the links horizontally \*/

}

/\* Styling the list items in the navbar \*/

.navbar-links li {

margin: 0 15px; /\* Add spacing between the links \*/

}

/\* Styling the links \*/

.navbar-links a {

text-decoration: none; /\* Remove underline from links \*/

color: #fff; /\* White color for the text \*/

font-size: 18px; /\* Set font size \*/

transition: color 0.3s ease, background-color 0.3s ease; /\* Smooth transition for hover effect \*/

padding: 8px 12px; /\* Padding around the links \*/

border-radius: 4px; /\* Rounded corners for the links \*/

}

/\* Styling for hovered links \*/

.navbar-links a:hover {

color: #333; /\* Change the text color on hover \*/

background-color: #fff; /\* Change the background to white on hover \*/

}

/\* Styling for the active link \*/

.navbar-links .active {

color: #4CAF50; /\* Green color for active link \*/

font-weight: bold; /\* Bold font for active link \*/

}

17.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Custom Styled Checkbox</title>

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

</head>

<body>

<label class="custom-checkbox">

<input type="checkbox" class="checkbox">

<span class="checkmark"></span>

Custom Checkbox

</label>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

/\* General reset \*/

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

/\* Styling the label to contain the checkbox and its custom style \*/

.custom-checkbox {

position: relative;

display: inline-block;

cursor: pointer;

font-size: 18px;

line-height: 24px;

user-select: none;

padding-left: 35px; /\* Space for the custom checkbox \*/

}

/\* Hiding the actual checkbox \*/

.custom-checkbox input[type="checkbox"] {

position: absolute;

opacity: 0;

cursor: pointer;

height: 0;

width: 0;

}

/\* Styling the custom checkbox \*/

.checkmark {

position: absolute;

left: 0;

top: 0;

height: 20px;

width: 20px;

border: 2px solid #333; /\* Dark border color \*/

border-radius: 5px; /\* Rounded corners \*/

background-color: #fff; /\* White background \*/

transition: background-color 0.3s, border-color 0.3s; /\* Smooth transition \*/

}

/\* Styling when the checkbox is checked \*/

.custom-checkbox input[type="checkbox"]:checked + .checkmark {

background-color: #4CAF50; /\* Green background when checked \*/

border-color: #4CAF50; /\* Green border when checked \*/

}

/\* Checkmark (tick) when checked \*/

.custom-checkbox input[type="checkbox"]:checked + .checkmark:after {

content: '';

position: absolute;

left: 6px;

top: 3px;

width: 6px;

height: 12px;

border: solid white;

border-width: 0 4px 4px 0;

transform: rotate(45deg); /\* Create a check mark \*/

}

/\* Styling on hover (optional) \*/

.custom-checkbox:hover .checkmark {

border-color: #888; /\* Lighten border on hover \*/

}

18.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Dropdown Menu</title>

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

</head>

<body>

<nav>

<ul class="navbar">

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

<li class="dropdown">

<a href="#" class="menu-link">Menu</a>

<ul class="dropdown-menu">

<li><a href="#">Link 1</a></li>

<li><a href="#">Link 2</a></li>

<li><a href="#">Link 3</a></li>

</ul>

</li>

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

</ul>

</nav>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

/\* General reset for margins and padding \*/

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

/\* Styling the navbar \*/

nav {

background-color: #333;

}

.navbar {

list-style-type: none;

display: flex;

justify-content: center;

padding: 10px;

}

.navbar li {

position: relative;

margin: 0 15px;

}

.navbar a {

color: #fff;

text-decoration: none;

padding: 10px 15px;

display: block;

transition: background-color 0.3s;

}

.navbar a:hover {

background-color: #575757;

}

/\* Dropdown menu styles \*/

.dropdown {

position: relative;

}

.dropdown-menu {

display: none; /\* Hide the dropdown by default \*/

position: absolute;

top: 100%; /\* Position the dropdown below the menu item \*/

left: 0;

background-color: #333;

min-width: 180px;

list-style-type: none;

padding: 0;

}

.dropdown-menu li {

border-top: 1px solid #444; /\* Add a border to separate the links \*/

}

.dropdown-menu a {

padding: 10px;

color: #fff;

text-decoration: none;

display: block;

}

.dropdown-menu a:hover {

background-color: #575757;

}

/\* Show the dropdown menu when hovering over the Menu link \*/

.dropdown:hover .dropdown-menu {

display: block;

}

19.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Back to Top Button</title>

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

</head>

<body>

<!-- Content to demonstrate scrolling -->

<div class="content">

<h1>Scroll Down to See the Button</h1>

<p>Keep scrolling...</p>

<p style="height: 1500px;">More content here to make the page scrollable.</p>

</div>

<!-- Back to Top Button -->

<button id="backToTop" class="back-to-top">Back to Top</button>

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

</body>

</html>

**✅ CSS (style.css):**

css

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/\* Style for the Back to Top button \*/

.back-to-top {

position: fixed;

bottom: 20px;

right: 20px;

background-color: #007bff;

color: white;

border: none;

border-radius: 5px;

padding: 10px 15px;

font-size: 16px;

cursor: pointer;

display: none; /\* Initially hidden \*/

transition: opacity 0.3s ease;

}

.back-to-top:hover {

background-color: #0056b3;

}

/\* Content section to demonstrate scrolling \*/

.content {

padding: 20px;

}

**✅ JavaScript (script.js):**

javascript

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// Get the button

const backToTopButton = document.getElementById("backToTop");

// When the user scrolls down 100px from the top of the document, show the button

window.onscroll = function() {

if (document.body.scrollTop > 100 || document.documentElement.scrollTop > 100) {

backToTopButton.style.display = "block"; // Show button

} else {

backToTopButton.style.display = "none"; // Hide button

}

};

// When the user clicks on the button, scroll to the top of the document

backToTopButton.onclick = function() {

window.scrollTo({

top: 0,

behavior: 'smooth' // Smooth scroll back to the top

});

};

20.

**✅ HTML:**

html

CopyEdit

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Testimonial Section</title>

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

</head>

<body>

<div class="testimonial-section">

<h2>What Our Clients Say</h2>

<div class="testimonial">

<div class="testimonial-item">

<img src="person1.jpg" alt="Person 1" class="testimonial-photo">

<div class="testimonial-text">

<p class="testimonial-name">John Doe</p>

<p class="testimonial-message">"This is the best service I have ever used! Highly recommend to everyone."</p>

</div>

</div>

<div class="testimonial-item">

<img src="person2.jpg" alt="Person 2" class="testimonial-photo">

<div class="testimonial-text">

<p class="testimonial-name">Jane Smith</p>

<p class="testimonial-message">"Excellent experience, the team was extremely professional and helpful."</p>

</div>

</div>

<div class="testimonial-item">

<img src="person3.jpg" alt="Person 3" class="testimonial-photo">

<div class="testimonial-text">

<p class="testimonial-name">Sam Wilson</p>

<p class="testimonial-message">"I’m so happy with the results! Their attention to detail is unmatched."</p>

</div>

</div>

</div>

</div>

</body>

</html>

**✅ CSS (style.css):**

css

CopyEdit

/\* Styling for the testimonial section \*/

.testimonial-section {

text-align: center;

padding: 40px;

background-color: #f9f9f9;

}

.testimonial-section h2 {

font-size: 2rem;

margin-bottom: 40px;

color: #333;

}

/\* Style for the testimonial container \*/

.testimonial {

display: flex;

justify-content: space-around;

flex-wrap: wrap;

gap: 20px;

}

/\* Individual testimonial items \*/

.testimonial-item {

background-color: white;

border-radius: 8px;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

width: 250px;

padding: 20px;

text-align: center;

transition: transform 0.3s;

}

.testimonial-item:hover {

transform: scale(1.05);

}

/\* Style for the photo \*/

.testimonial-photo {

width: 80px;

height: 80px;

border-radius: 50%;

object-fit: cover;

margin-bottom: 15px;

}

/\* Styling for the testimonial text \*/

.testimonial-text {

font-size: 1rem;

}

.testimonial-name {

font-weight: bold;

color: #333;

margin-bottom: 10px;

}

.testimonial-message {

font-style: italic;

color: #666;

}

/\* Media query for smaller screens \*/

@media (max-width: 768px) {

.testimonial {

flex-direction: column;

align-items: center;

}

.testimonial-item {

width: 80%;

}

}