

Simple HTML and CSS layout for a homepage using CSS Grid. This layout includes a header, navigation, main content area, and footer. It's a common design structure for a basic homepage.

HTML (index.html) :-

html code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Home Page Layout</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <header>
    <h1>Welcome to My Website</h1>
    <nav>
      <ul>
        <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>
  </header>

  <main>
    <section class="sidebar">
      <h2>Sidebar</h2>
      <p>This is the sidebar content.</p>
    </section>

    <section class="content">
      <h2>Main Content</h2>
      <p>This is the main content area of the website.</p>
    </section>
  </main>

  <footer>
    <p>&copy; 2024 Your Website. All rights reserved.</p>
  </footer>
</body>
</html>
```

CSS (styles.css):-

Css code

```
/* Basic reset */
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  font-family: Arial, sans-serif;
  background-color: #f4f4f4;
}

header {
  background-color: #333;
  color: white;
  padding: 20px;
  text-align: center;
}

header h1 {
  margin-bottom: 10px;
}

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

nav ul li {
  display: inline;
  margin: 0 10px;
}

nav ul li a {
  color: white;
  text-decoration: none;
  font-size: 18px;
}

main {
  display: grid;
  grid-template-columns: 1fr 3fr;
  gap: 20px;
  padding: 20px;
}

.sidebar {
  background-color: #e2e2e2;
  padding: 20px;
  border-radius: 8px;
}

.content {
```

```
background-color: #ffffff;
padding: 20px;
border-radius: 8px;
}

footer {
background-color: #333;
color: white;
text-align: center;
padding: 10px;
margin-top: 20px;
}

footer p {
font-size: 14px;
}
```

Explanation:

1. Grid Layout in main:

- The `main` element uses a CSS Grid with two columns. The first column (sidebar) takes up 1 fraction unit (`1fr`), and the second column (content) takes up 3 fraction units (`3fr`).
- `gap: 20px;` creates space between the columns.