# 1.3

**AIM:** Admin Dashboard with CSS Grid Layout and Theme Switching

**Apparatus Required:** HTML, CSS, JavaScript

## Code:

**HTML**

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Admin Dashboard</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body>

  <div class="dashboard">
    <aside class="sidebar">
      <h2>⚙ User</h2>
      <nav>
        <a href="#">Dashboard</a>
        <a href="#">Users</a>
        <a href="#">Settings</a>
        <a href="#">Logout</a>
```

```html
      </nav>
    </aside>

    <header class="header">
      <h1>Welcome, User</h1>
      <button id="theme-toggle">🌙 Dark Mode</button>
    </header>

    <main class="main">
      <div class="card">
        <h3>Total Users</h3>
        <p>1,204</p>
      </div>
      <div class="card">
        <h3>Active Sessions</h3>
        <p>87</p>
      </div>
      <div class="card">
        <h3>Server Uptime</h3>
        <p>99.99%</p>
      </div>
      <div class="card">
        <h3>Revenue</h3>
        <p>₹3.2L</p>
      </div>
    </main>
  </div>

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

```
</body>
</html>
```

## CSS

```css
/* Reset + Variables */
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

:root {
  --primary: #2c3e50;
  --secondary: #ecf0f1;
  --text: #333;
  --card-bg: #fff;
}

body.dark {
  --primary: #1e272e;
  --secondary: #2f3640;
  --text: #f5f6fa;
  --card-bg: #353b48;
}

body {
  font-family: 'Segoe UI', sans-serif;
  color: var(--text);
  background-color: var(--secondary);
```

```css
  transition: all 0.3s ease;
}

.dashboard {
  display: grid;
  grid-template-columns: 200px 1fr;
  grid-template-rows: 60px 1fr;
  grid-template-areas:
    "sidebar header"
    "sidebar main";
  min-height: 100vh;
}

.sidebar {
  grid-area: sidebar;
  background-color: var(--primary);
  color: white;
  padding: 20px;
}

.sidebar h2 {
  margin-bottom: 30px;
}

.sidebar nav a {
  display: block;
  color: white;
  margin-bottom: 15px;
  text-decoration: none;
```

```css
    transition: 0.2s ease;
  }

  .sidebar nav a:hover {
    text-decoration: underline;
  }

  .header {
    grid-area: header;
    background-color: var(--primary);
    color: white;
    display: flex;
    justify-content: space-between;
    align-items: center;
    padding: 0 20px;
  }

  .header button {
    background-color: transparent;
    border: 1px solid white;
    color: white;
    padding: 6px 12px;
    border-radius: 4px;
    cursor: pointer;
    transition: 0.3s;
  }

  .header button:hover {
    background-color: rgba(255, 255, 255, 0.1);
```

```css
}

.main {
  grid-area: main;
  padding: 30px;
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));
  gap: 20px;
}

.card {
  background-color: var(--card-bg);
  padding: 20px;
  border-radius: 10px;
  box-shadow: 0 5px 15px rgba(0,0,0,0.05);
  transition: background-color 0.3s ease;
}

.card h3 {
  font-size: 18px;
  margin-bottom: 10px;
}

.card p {
  font-size: 24px;
  font-weight: bold;
}

/* Responsive Layout Fix */
```

```css
@media (max-width: 768px) {
  .dashboard {
    grid-template-columns: 1fr;
    grid-template-rows: auto auto 1fr;
    grid-template-areas:
      "header"
      "sidebar"
      "main";
  }

  .sidebar {
    flex-direction: row;
    overflow-x: auto;
    display: flex;
    justify-content: space-around;
    align-items: center;
    padding: 10px;
  }

  .sidebar h2 {
    display: none;
  }

  .sidebar nav {
    display: flex;
    gap: 15px;
  }

  .sidebar nav a {
```

```css
    margin: 0;
  }
}
```
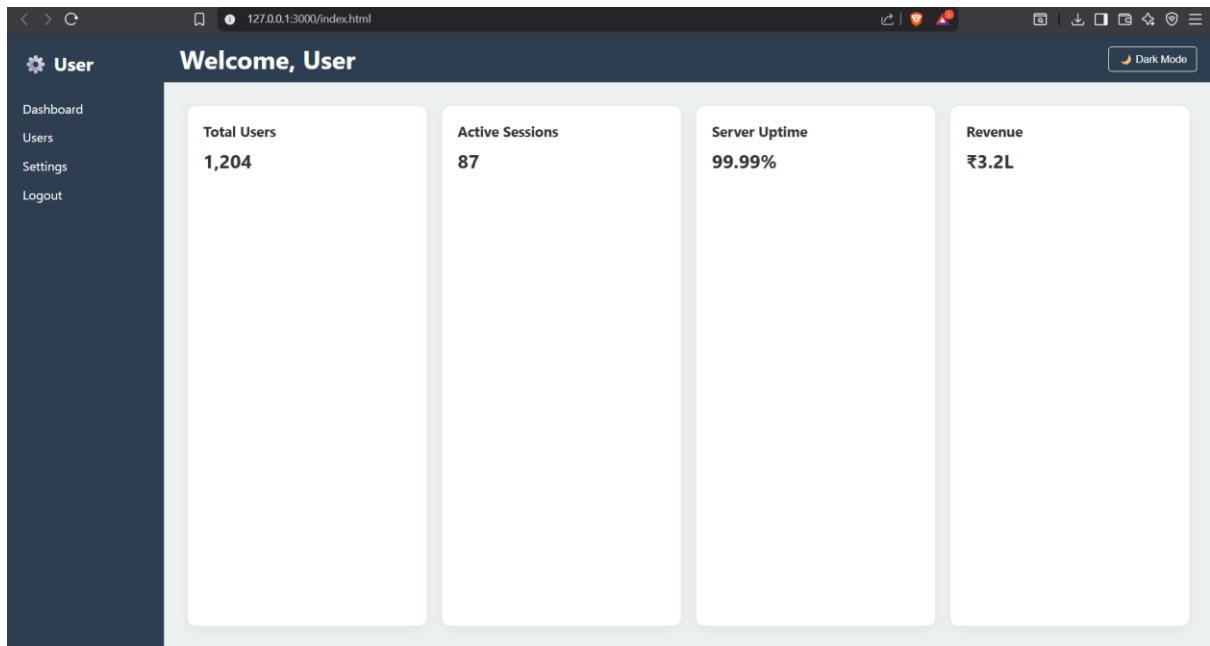
## JavaScript

```javascript
const themeToggleBtn = document.getElementById("theme-toggle");
const body = document.body;

themeToggleBtn.addEventListener("click", () => {
  body.classList.toggle("dark");

  if (body.classList.contains("dark")) {
    themeToggleBtn.textContent = "☼ Light Mode";
  } else {
    themeToggleBtn.textContent = "☽ Dark Mode";
  }
});
```

## OUTPUT:

Here is the link for the above page http://127.0.0.1:3000/index.html