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EXPERIMENT 3

AIM:

Design and implement an Admin Dashboard with CSS Grid Layout and Theme Switching

TASK DESCRIPTION: Design and develop a modern **Admin Dashboard** using **HTML**, **CSS Grid Layout**, and **JavaScript** for **theme switching**. The dashboard should be visually appealing, responsive, and user-friendly, optimized for both light and dark modes

CODE:

```
<!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>
  <style>
    :root {
      --bg-color: #ffffff;
      --text-color: #000000;
      --primary-color: #007bff;
      --card-bg: #f5f5f5;
    }

    body.dark {
      --bg-color: #121212;
      --text-color: #ffffff;
      --primary-color: #0d6efd;
      --card-bg: #1e1e1e;
    }

    * {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
      font-family: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif;
    }

    body {
      background-color: #ccc;
    }
  </style>

```

```
display: flex;
justify-content: center;
align-items: center;
min-height: 100vh;
}

.window {
width: 95%;
max-width: 1200px;
height: 90vh;
background-color: var(--bg-color);
border-radius: 12px;
overflow: hidden;
box-shadow: 0 10px 30px rgba(0, 0, 0, 0.2);
display: grid;
grid-template-columns: 250px 1fr;
grid-template-rows: 60px 1fr;
grid-template-areas:
  "sidebar header"
  "sidebar main";
}

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

header h1 {
font-size: 1.5rem;
}

#themeToggle {
cursor: pointer;
padding: 8px 16px;
background-color: white;
color: var(--primary-color);
border: none;
border-radius: 5px;
}

aside {
```

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```
    grid-area: sidebar;
    background-color: var(--card-bg);
    padding: 20px;
  }

  aside h2 {
    margin-bottom: 20px;
  }

  aside nav a {
    display: block;
    text-decoration: none;
    color: var(--text-color);
    margin-bottom: 10px;
  }

  main {
    grid-area: main;
    padding: 20px;
    background-color: var(--bg-color);
    overflow-y: auto;
  }

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

  .card {
    background-color: var(--card-bg);
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0 0 5px rgba(0,0,0,0.1);
  }

  /* Scrollbar customization for main */
  main::-webkit-scrollbar {
    width: 8px;
  }

  main::-webkit-scrollbar-thumb {
    background-color: rgba(0, 0, 0, 0.2);
    border-radius: 4px;
  }
</style>
```

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```
</head>
<body>
  <div class="window">
    <header>
      <h1>ARUL KUMAR's Admin Dashboard</h1>
      <button id="themeToggle">Toggle Theme</button>
    </header>

    <aside>
      <h2>Menu</h2>
      <nav>
        <a href="#">Dashboard</a>
        <a href="#">Users</a>
        <a href="#">Settings</a>
        <a href="#">Reports</a>
      </nav>
    </aside>

    <main>
      <h2>Overview</h2>
      <div class="cards">
        <div class="card">
          <h3>Total Users</h3>
          <p>1,024</p>
        </div>
        <div class="card">
          <h3>New Signups</h3>
          <p>87</p>
        </div>
        <div class="card">
          <h3>Revenue</h3>
          <p>$12,450</p>
        </div>
        <div class="card">
          <h3>Support Tickets</h3>
          <p>15</p>
        </div>
      </div>
    </main>
  </div>

  <script>
    const toggleButton = document.getElementById("themeToggle");
    toggleButton.addEventListener("click", () => {
      document.body.classList.toggle("dark");
    });
  </script>
</body>
```

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

CODE O/P :

