**EXPERIMENT – 1.3**

Name : Samarth Passi

UID : 23BCC70015

Subject & Code : FULL STACK – 23CSP-339

Section & Group : 23BCC-1 A

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

**Theory:**

## The Admin Dashboard is a responsive web interface designed using HTML, CSS Grid, and JavaScript to provide a structured view for administrative tasks.

## HTML defines the structural components, including the sidebar navigation, header, and dashboard cards for displaying statistics.

## CSS Grid is used for layout management, allowing the sidebar and main content to be arranged in a clean, adaptable grid format that adjusts to different screen sizes.

## CSS Variables store color values for easy theme customization. A [data-theme] attribute is used to switch between light and dark modes without rewriting the entire CSS.

## JavaScript implements the theme-switching functionality by toggling the data-theme attribute dynamically when the user clicks the switch button.

## Responsive Design is achieved through media queries, ensuring the dashboard layout works on desktops, tablets, and mobile devices.

**Conclusion:**

This project showcases how **CSS Grid** can be effectively used to create a modern, responsive dashboard layout. By combining **HTML structure**, **CSS styling**, and **JavaScript interactivity**, it demonstrates:

* Efficient multi-section page layouts using grid templates.
* Dynamic theme switching through CSS variables and JavaScript.
* Adaptability to various screen sizes for a seamless user experience.  
  The result is a visually appealing, functional admin panel design that serves as a foundation for real-world web applications requiring analytics, navigation, and user interaction.

## SNAPSHOTS:

