**Material Design In Angular**

* **What is Material Design?**

1. Angular Material is simply a group of design components used by Angular.
2. By using these material design components, we can easily integrate material design into our Angular application.
3. Using angular material design component, we can design components for both mobile and web versions.

* **Advantages**

1. Cross-platform user interface components, so that it can work on Web, Mobile, and desktop app as well
2. By using material design components, we can have the better user interface experience
3. We can achieve high responsiveness of the layout by providing a different attribute to the elements as per our project requirements
4. Easy to use syntax so that we can easily integrate angular material component into our angular application
5. Multiple layout options are available so that we can choose any theme and integrate it into our angular application
6. The angular material has more than 50 components so that we can use any component inside our application
7. Error log support makes it completely suitable for any scale of an application if we emit any attribute than it logs error into the console, isn’t it great
8. Currently Gmail, YouTube, Google Cloud uses the Angular Material

* **Integrate Angular Material**

1. With the release of Angular 6, the new command is available called "ng" instead "npm", by using ng command we can easily download necessary dependencies and scripts as well. To install angular material dependency into our angular app we can use below ng command.

**ng add @angular/material**.

* **Components in Material Design**

Following are the components used in Material Design

1. Form Control
2. Navigation

* Menu
* Sidenav
* Toolbar

1. Layout
2. Toolbar
3. Buttons
4. Data Table

* Table
* Paginator
* Sort Header
* **New things in Material Design**

Following are the new things in Material Design

1. **Material Sidenav** :-

Material Sidenav provides complete navigation bar at the right portion of the screen and also provides toolbar with it. To generate sidenav, we can use blow ng command

**ng generate @angular/material:materialNav –name <Any\_Name>**

1. **Material Dashboard** :-

The material dashboard is a collection of products which provides dashboard kind of layout by just using below ng command.

**ng generate @angular/material:materialDashboard –name <Any\_Name>**

1. **Material Datatable** :-

Material data table consists of a material table, using this table we can have many inbuilt functionalities to make table multipurpose. It supports various operations like paging, searching, filtering etc. To generate material data table, just use below ng command.

**ng generate @angular/material:materialTable –name <Any\_Name>**