***Angular Notes***

**Angular** is FrontEnd JS framework(collection of packages, tools to build interactive web user interfaces, simplifies the process of building complex). It is also a collection of tools and features(CLI, debugging tools, IDE plugins).

***Angular uses TypeScript useful for complex apps.***

**Creating an angular project:**

**Node Js is Java script runtime**

First need to install angular cli to setup project

commands:

**npm install -g @angular/cli**  or npm install @angular/cli@latest

if needed ***--npm uninstall @angular/cli***

**Note** : *Angular is not node js framework. It is browser side framework.*

But, angular CLI needs node JS and hence we install.

**TS files** : auto generated creating project

**Packages files** : dependencies required to run project(angular packages to use features)

**SRC-- APP –** important where we build projects and spend most of the time.

**Main.ts** if the first file executed when the project is ran.

**Assests**: Images , logos, etc…

**index.html:** file where the code starts.

**package-lock.json** : depencies will be present. Need to run  **npm install**  to install all packages as per pacjage-lock-json file.(warnings can be neglected).

**Npm start :** to run the project (**ng serve** will be run when npm start is given in terminal). Or we can directly give ng s to start the project.

**Style.css :** File where CSS styles can be applied globally(for ex: entire page)

To create angular new project :

**ng new nameofproject**

To generate new component :

**ng generate component nameofcomp** OR **ng g c nameofcomp**