1. Install Node
2. Open Command Prompt type “node –v” (It should return v10.8.0)
3. Type “npm –v” (It should return 6.x.x)
4. Type “npm install –g @angular/cli”
5. Type “ng –v” (It should return Angular CLI :6.x.x)
6. Create a folder in D: drive and rename it as “Angular6WS”
7. Open the command prompt in the newly created folder in D: drive (Angular6WS)
8. Type “ng new FirstApp” (It will take minimum of 5 to 10 minutes depending upon the internet speed)
9. Once completing the dependency download move to newly create FirstApp folder
10. Type “ng serve -o”
11. It should open the Angular App in Google Chrome Browser (url -> http://localhost:4200/)

Angular

1. It’s a Front End JavaScript based Framework.
2. The latest version of Angular is Angular 6.
3. This framework is maintained by Google
4. Schematic Version Numbering 6.1.1 (Major.Minor.Patch)
5. Angular uses TypeScript (Scripting Lang) developed by Microsoft
6. Earlier Version to Ver 2.0 is called as AngularJS
7. It’s used to create SPA (Single Page Applications)
8. It uses MVVM design Pattern (Model-View-View-Model)
9. It provides a command line utility called Angular CLI (Command Line Interface)
10. TypeScript (Strongly typed script) is a superset of javascript.
11. By using Angular we can create custom HTML tags.
12. By default Angular project follows Modular Approach.
13. There are various IDE’s available for Angular Application Development (VS-Code, Brackets, ATOM, Intellij IDEA, Eclipse Based Angular IDE etc.,)
14. By default Angular Projects are Responsive in nature.

Dependencies

1. Node - Javascript based Server (which runs on Google Chrome Script Engine)
2. TypeScript –
3. NPM – Node package Manager (Dependency resolver)

CSS

1. Id selector (starts with #)
2. Class selector (starts with .)
3. Tag selector (starts with tag name)

File.css (cascading style sheet)

H1, h2, p {

Font:

}

.style1 {

}

#style2 {

}

<div class=style1>

</div>

<div id=style2>

</div>

Specify the value by 1) pixel, 2) by percentage, 3) by Points

Binding

1. One way binding & two way binding [()] (Banana in a box)
2. Event/Method Binding ()
3. Property Binding/ class binding []

ng new <project-name> -- To Create a new Angular App

In Java we use Annotations, similarly we use Decorator in Angular

ng g c <component\_name>

ng g class <class\_name>

ng g service <service\_name>

Directives – Angular commands starting with ng (\*ngIf, \*ngFor, \*ngSwitch,

ngModel, ngForm etc.,)

Interpolation -- {{}}

Property/Data/Style(Class) Binding – []

Event Binding – ()

Two way binding – [()] (Banana in a Box syntax)

Template reference variable - #

Module, Components, Service, HttpClient, Routing, Pipes (filters)

1. Node is based on Google Chrome’s JS Engine.
2. Typescript is developed by Microsoft
3. Typescript is the superset of JavaScript
4. Typescript provides many OOP features such as class, interface, enumeration, inheritance etc.,
5. In Typescript the compiler converts the typescript file to normal js file. (tsc)
6. let, any, var, const, string, number, function, true, false
7. new datatypes which is unqiue for typescript is any & undefined.

Ng new <appname> --route

Ng g c <comp\_name> -is –it

Is – Inline Style

It – Inline Template