**ANGULAR :**

**Install node.js by downloading it from chrome.**

**Check version of node and npm by –**

**>Node -v**

**>Npm -v**

**Create one folder in D drive with name Angular-Workspace**

**Open cmd in it**

**Run >ng new app-name**

**>cd app-name**

**>ng serve**

**Application will run**

**Open project workspace folder in VS Code**

**Src is main folder**

**Src>app – to add components & code**

**Src>app>app.component.html**

**Src>app>app.component.scss**

**Src>app>app.component.ts**

**Src>app>app.component.spec.ts - used in testing**

**Src>app>app.module.ts**

**Src>assets – to store static content including images, videos, etc..**

**Src>environments – to config different environments**

**Index.html**

**FLOW of COURSE:**

**Getting Started**

**The Basics**

**Components & Data Binding**

**Directives**

**Services & dependency injections**

**Routing**

**Observables**

**Forms**

**Pipes**

**HTTP**

**Javascript:**

**Prototype based, single threaded dynamic language**

**Client side programming language**

**Allows to implement complex features of web pages.**

**Eg. Displaying timely updates, interactive maps..**

**What can it really do ?**

**Stores useful values inside variables**

**Operations on pieces of string**

**Running code in response to certain events on web page**

**Why JS used on web page ?**

**It dynamically modifies the HTML and CSS code to update user interface using DOM APIs.**

**Like a factory that takes the input as code and outputs the product as webpage.**

**How to add JS to your page?**

**Applied to HTML as CSS**

**CSS uses <link> and <style> tag whereas JS needs only <script> tag.**

**We can have,**

**Inline JS Handlers**

**Internal & External javascript**

**Typescript:**

**Superset of JS.**

**Additional features :**

1. **Types**
2. **Classes**
3. **Interfaces & more**

**It help to write robust code which gets checked at the time of writing instead at run time.**

**Typescript does not run at browser so it gets compiled to JS before loading.**

**It is Object Oriented JS.**

**Data Types :**

**Any (supertype of all data types)**

**Built in (String, Number, Boolean, Void, Null, Undefined)**

**User-Defined (Arrays, Enums, Classes, Interfaces, etc..)**

**Bootstrap:**

**Free & open source CSS framwork directed at response, frontend web development.**

**Steps to install bootstrap in angular :**

**Npm install –save bootstrap**

**Add reference to bootstrap under styles of angular.json file**

**“../node\_modules/bootstrap/dist/css/bootstrap.css”**

**Check under node modules in VS code**