**Angular Online Session References**

* Node -v
* Npm -v

Node installer comes with :

* Node Runtime Environment (NRE)
* Node Package Manager (NPM)
* Node Core Module/ Packages

**Angular - v8 : Components, template, Two data binding, MV\*, SPA, Remote Server Calls etc**

Jquery : DOM manipulation, Remote Calls (XHR)

React : Virtual DOM. Great for application where data changes very frequently over a period of time.

Polymer : Creates custom JS components

Backbone : Client side MVC

Knockout : two way data binding. Implements MVVM.

\* Ember :

Node : platform, runs javascript code.

Express : web application framework, runs on node runtime.

Angular Compilation :

JIT : app size + compiler size (heavy)

AOT : Ahead-Of-Time -> minified, uglify, renderable build.

“**Tree-shaking**” – minimalistic code. Kick-start angular applications in very less time.

Angular can create our own elements : <product-details></product-details>

Transpilers in market : (to convert Typescript into Javascript)

* + Babel
  + Traceur
  + Typescript compiler (> npm install -g typescript)

Angular CLI Tool :

* npm install -g @angular/cli
* ng -v
* ng new users-app
* cd users-app
* ng serve -o

Index.html 🡪 main.ts 🡪 AppModule 🡪 AppComponent 🡪 app.component.html

Webpack development Server : Static server > 4200

Ng serve

Data Bindings :

Property Binding – bind the model with the element attribute/property

[ ] – Property binding Syntax

Supplies the model from component class to view/template

Event Binding