# Requirements :

1. Basic JavaScript
2. Basic HTML

# Technologies going to use:

1. Node and npm
2. Module and module loaders
3. ES2015
4. Type script
5. Angular

# Practice Exercise :

1. <https://jcoop.io/angular-practice-exercises/>

# Module and System.js:

1. Module are helpful in encapsulation there will be no more global pollution

e.g we can use export and import

2. Now if we want more and more file to be included in that scenario we can not go and add again and again the <script src = “”> this is where system.js comes in to help which looks for imports and exports

3. In index.html we need to load system js and config js config js will tell system js where to look to find files that are imported using a map also tells where is the starting point of the application in packages config.

# Type script few features:

1. Superset of the JavaScript.
2. Typescript (Transpiles)🡪JavaScript.
3. Static Typing : Specify data types for variables, properties and parameters.

e.g : let name: string, let age:number.

4. Interface can also be created.

Interface ICat{

Name: string Age:number

}

Class Cat{

Name :string

Color:string

Constructor (name){

This.name = name

}

Speak() {console.log (‘meow’)}

}

5.Class are public by default if you make it private it can not be accessed outside the class.

# MVC vs Components

Anglar 1 Angualr 2

1.Template was in control of the controller 1.Component and template both are equal control.

2.We had directives which was more clicnky 2. Components are similar to Directive but smooth.

# Angular 2 Component Hierarchy

App