# Starting Angular 2

Question- Why angular 2 uses CLI interface?

Answer- A toolkit that manage angular project. Angular use typescript, that needs to be compiled to JS before project build. Angular-CLI do it by a single command.

Question- How to configure angular environment?

Answer- First install latest version of node. Then install angular as npm install -g @angular/cli.

Question- How to create an angular app?

Answer- On command line, use ng new angular-app. It wiill create a named as ‘angular-app’. It create a default component named ‘app’ Inside src folder.

Question- There is nothing imported in index.html file? How to import any css file like add boootstrap module?

Answer- You have to declare it in another file named ‘angular-cli.json’. Inside it ‘styles’ property, you can declare a path for your css file.

When project is built with ng serve, behind the scenes CLI uses a tool named ‘webpack’, which bundles all your script and stylesheets and adds to index.html

Question- How do we create a component?

Answer- As we angular focuses more on modularity with help of components. There are easy steps-

1. As we know, angular uses typescript, so first create a folder and component file as example.component.ts inside app folder because it is the root folder for app(For right now);
2. Inside component file, first instantiate and a class with a class name and export it, so that It would be visible to other components as well.

export class exampleComponent{

}

1. Define a decorator “Component” for this file, that will tell compiler that this is not a normal typescript file. Decorators are declared by decorator-name followed by @symbol.

Note: Decorator enhances the features of typescript file. The class decorator allow us to tell Angular that a particular class is a component, or module.

To use this decorator, first you need to import it.

For example-

**import** { Component } **from '@angular/core'**;  
  
@Component({  
 **selector**: **'app-root'**,  
 **templateUrl**: **'./app.component.html'**,  
 **styleUrls**: [**'./app.component.css'**]  
})  
**export class** AppComponent {  
 **title** = **'app'**;  
 **name**=**''**;  
}

Question – What is app module?

Answer- Angular uses component to build web pages and uses modules to bundle the components into the packages.

Question- Make understanding with app.module?

Answer-

**import** { BrowserModule } **from '@angular/platform-browser'**;  
**import** { NgModule } **from '@angular/core'**;  
**import** { FormsModule} **from '@angular/forms'**;  
**import** { AppComponent } **from './app.component'**;  
  
@NgModule({  
 declarations: [  
 AppComponent  
 ],  
 imports: [  
 BrowserModule,  
 FormsModule  
 ],  
 providers: [],  
 bootstrap: [AppComponent]  
})  
**export class** AppModule { }

->For making a module, you need to use class decorator ‘NgModule’ and to use NgModule, you have to import it first.

->Inside Ng-Module decorator, You see four properties-

1. declarations- If you have created any component, to use it, You have to declare it in this array. Again, to declare it here, you have to import it at top of the file.

2. imports- Inside the component, If you want to use any third-party module, then you have to declare it here first.

3. bootstrap- It tells that at the time of starting server, which component you want to hold for your index.html file.