# Setting up AngularJs 2

1. Prerequisites: node.js, typescript
2. angular-cli

npm install -g @angular/cli@1.0.0-rc.0

1. Generate new project

ng new angular-hello-world

1. Install packages

npm install

1. Run application (app will be hosted under <http://localhost:4200> )

ng serve

## Creating a new component

ng generate component hello-world (or ng g )

This will create under src/app a new folder “hello-world” with the .ts, .html, .css and .spec.ts files needed for this component.

## Update all packages

npm i -g npm-check-updates

npm-check-updates -u

npm install

## Modules

@NgModule({

  declarations: [

    AppComponent,

    HelloWorldComponent,

    UserItemComponent,

    UserListComponent

  ],

  imports: [

    BrowserModule,

    FormsModule,

    HttpModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

There are 3 keys: *declarations*, *imports* and *bootstrap*

### Declarations

Declarations specifies the **components that are defined in this module**.

This is an important idea in Angular: You have to declare components in a NgModule before you can use them in your templates.

## Imports

Imports describes which **dependencies this module has**. We’re creating a browser app, so we want to import the BrowserModule. If your module depends on other modules, you list them here.

## Bootstrap

Bootstrap tells Angular that **when this module is used to bootstrap an app**, we need to load the AppComponent component as the top-level component.