In command prompt:

1. **npm install @angular/cli –g : angular cli is a tool that helps angular applications. It gives a good baseline to create components etc.**
2. **Go to command prompt and run “npm init “ in the folder where you want your project to be. It will ask you a number of questions. Answer them and you get a json by the end of it. It looks like :**

**About to write to C:\Users\Gpw\Desktop\Angular2\learnTypescript\package.json:**

**{**

**"name": "learn-typescript",**

**"version": "0.1.0",**

**"description": "sample app",**

**"main": "dist/app.js",**

**"scripts": {**

**"test": "echo \"Error: no test specified\" && exit 1"**

**},**

**"keywords": [**

**"demo",**

**"ts",**

**"npm"**

**],**

**"author": "Abhigya Jain",**

**"license": "MIT"**

**}**

1. **Now download and install typescript compiler:**

**C:\Users\Gpw\Desktop\Angular2\learnTypescript>npm install typescript --save-dev**

**--save adds it to package.json**

**-dev says that it’s a dev dependency.**

**Typescript now gets added to the node\_modules folder.**

1. **Take the files in the src folder, compile them and place them in the dist folder. Mention this in scripts in package.json**

"build": "tsc src/app.ts -outDir dist"

1. **C:\Users\Gpw\Desktop\Angular2\learnTypescript>npm run build**

**Builds the file . you can find a js file in dist post this.**

1. **Run the app.js file:  
   a) add an index.html page and run it in browser**

**b) run using command : node dist/app.js**

**Anytime we make any changes, we have to run the build command and then the run command.**

**Instead, we can use the –w or –watch command to watch for changes. So just add –w to package.json and then it would automatically build upon any change.**

"build": "tsc src/app.ts -outDir dist -w"

1. ng new first-app

Creates the files for my application