At first download and install Visual Code it’s free

<https://www.sitepoint.com/ultimate-angular-cli-reference/>

1. download and install node.js, included npm
2. install TypeScript:

$ npm install -g typescript

1. install angular – cli

npm install -g @angular/cli

Create new app with init:

ng new my-app

**Running Your Application**

# Create TODO APP

1. npm install -g angular-cli
2. ng new todo-app
3. cd todo-app
4. ng generate class Todo //Creating the Todo Class
5. ng generate service TodoData //Creating the TodoDataService Service
6. npm install -g @angular/cli@latest // to make sure that you have the latest version of cli
7. Or you can remove and reinstall the latest

npm uninstall -g @angular/cli angular-cli

npm cache clean

npm install -g @angular/cli@latest

ng serve // to run the app and check in the browser

1. npm install json-server@0.17.4 –save //Setting up a REST API back end, using json-server to mock API
2. npm run json-server //launch our REST API back end, after adding new file db.json and updating the node “scripts” in the package.json to locate the file
3. ng generate environments //create environment, and manually add const enviroment
4. ng generate service Api //Creating the Service to Communicate with the REST API Back End
5. Create separate components:
   1. ng generate component todo-list-header
   2. ng generate component todo-list
   3. ng generate component todo-list-item
   4. ng generate component todo-list-footer
6. Create mock api
   1. ng g service ApiMock --skip-tests
7. ng build --aot --environment prod
8. Creating the routing configuration
   1. ng generate component Todos
   2. ng generate component PageNotFound
9. Creating TodosResolver
   1. ng generate resolver todos
10. Angular Authentication: Protecting Private Content
    1. npm install --save body-parser
    2. ng generate service session
    3. ng generate service auth
    4. ng generate component sign-in
    5. ng generate guard CanActivateTodos

<https://www.sitepoint.com/angular-rxjs-create-api-service-rest-backend/>

<https://www.sitepoint.com/angular-2-tutorial/>

<https://www.sitepoint.com/author/jvandemoere/>

<https://www.jvandemo.com/the-7-step-process-of-angular-router-navigation/>

<https://angular.dev>