Install Git

You can download and install Git from <http://git-scm.com/download>. Once installed, you should have access to the git command line tool. The main commands that you will need to use are:

* git clone ...: Clone a remote repository onto your local machine.
* git checkout ...: Check out a particular branch or a tagged version of the code to hack on.

### Clone angular-seed

Clone the angular-seed repository using **[git](http://git-scm.com/)**:

git clone https://github.com/angular/angular-seed.git

cd angular-seed

This command creates an angular-seed sub-directory in your current directory.

Change your current directory to angular-seed.

cd angular-seed

### Install Node.js

You can download a Node.js installer for your operating system from <https://nodejs.org/en/download/>.

Check the version of Node.js that you have installed by running the following command:

node --version

Once you have Node.js installed on your machine, you can download the tool dependencies by running:

npm install

This command reads angular-seed's package.json file and downloads the following tools into the node\_modules directory:

* [Bower](http://bower.io/) - client-side code package manager
* [Http-Server](https://github.com/nodeapps/http-server) - simple local static web server
* [Karma](https://karma-runner.github.io/) - unit test runner
* [Protractor](https://github.com/angular/protractor) - end-to-end (E2E) test runner

The project is preconfigured with a number of npm helper scripts to make it easy to run the common tasks that you will need while developing:

* npm start: Start a local development web server.
* npm test: Start the Karma unit test runner.
* npm run protractor: Run the Protractor end-to-end (E2E) tests.
* npm run update-webdriver: Install the drivers needed by Protractor.

Behind the scenes this will also call bower install. You should find that you have two new folders in your project.

* node\_modules - contains the npm packages for the tools we need
* app/bower\_components - contains the angular framework files

*Note that the bower\_components folder would normally be installed in the root folder but angular-seed changes this location through the .bowerrc file. Putting it in the app folder makes it easier to serve the files by a webserver.*

**Run the Application**

We have preconfigured the project with a simple development web server. The simplest way to start this server is:

npm start

Now browse to the app at http://localhost:8000/app/index.html.