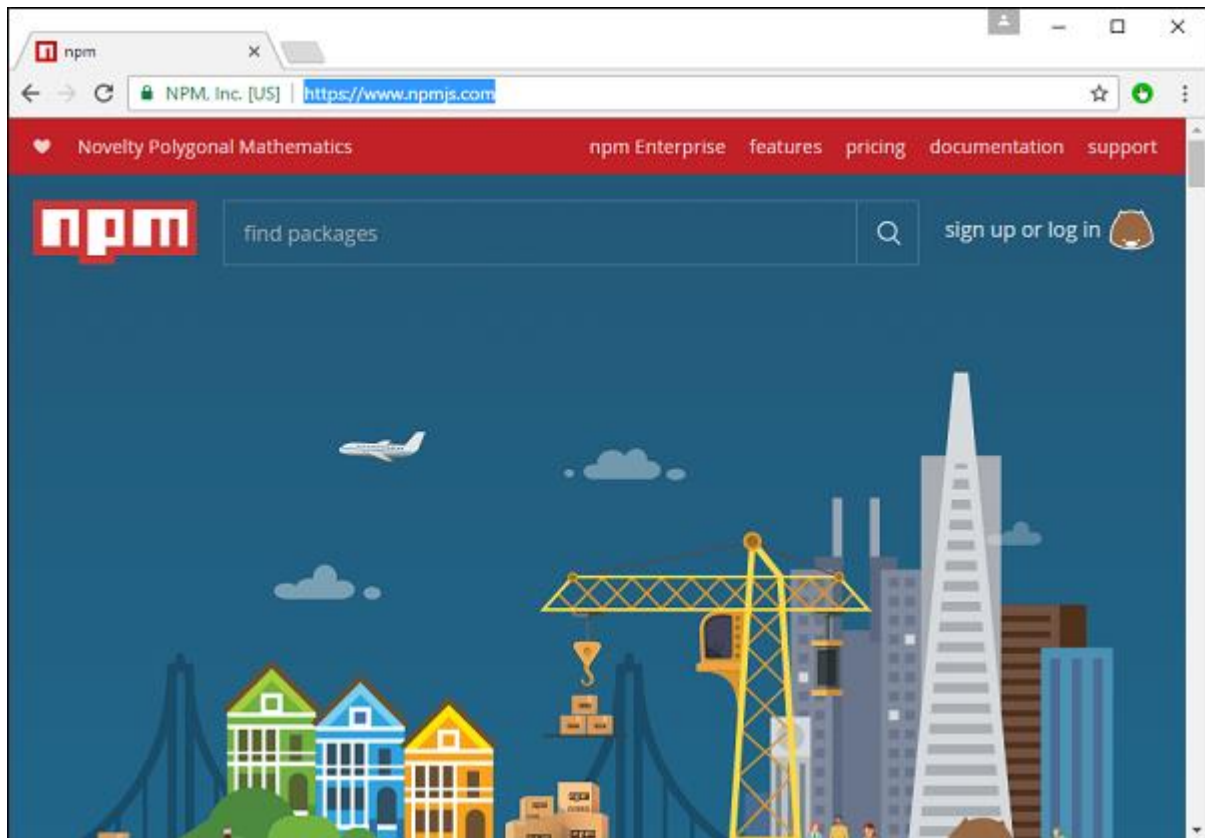


Contents

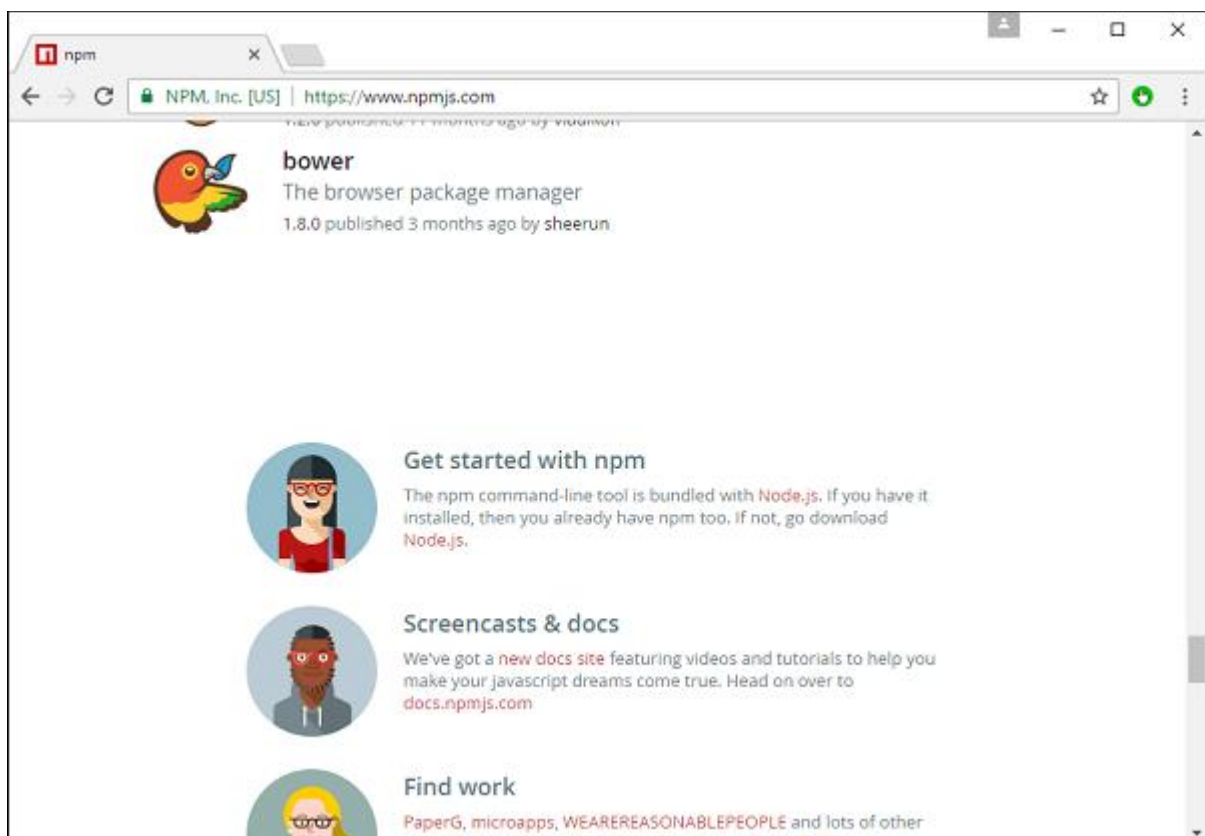
1. Installing Node Js	1
2. Installing VisualStudio Code :-.....	7
3. Installing Git Set up.....	11
4. Creating Angular2 Application	16
5. Creating folder to generate ts, html, css and :-.....	17
6. Creating folder to generate service.....	17
7. Installing Angular material and animation:-	17
8. Installing support Bootstrap in angular :-	18
npm install bootstrap@3 --save	18
9. Build the Project.....	18
10. Creating Fack json	18
To Install Chart in project folders.....	19
11. Generating module in Angular2	19
12. Generate new module from command Line	19

1. Installing Node Js .

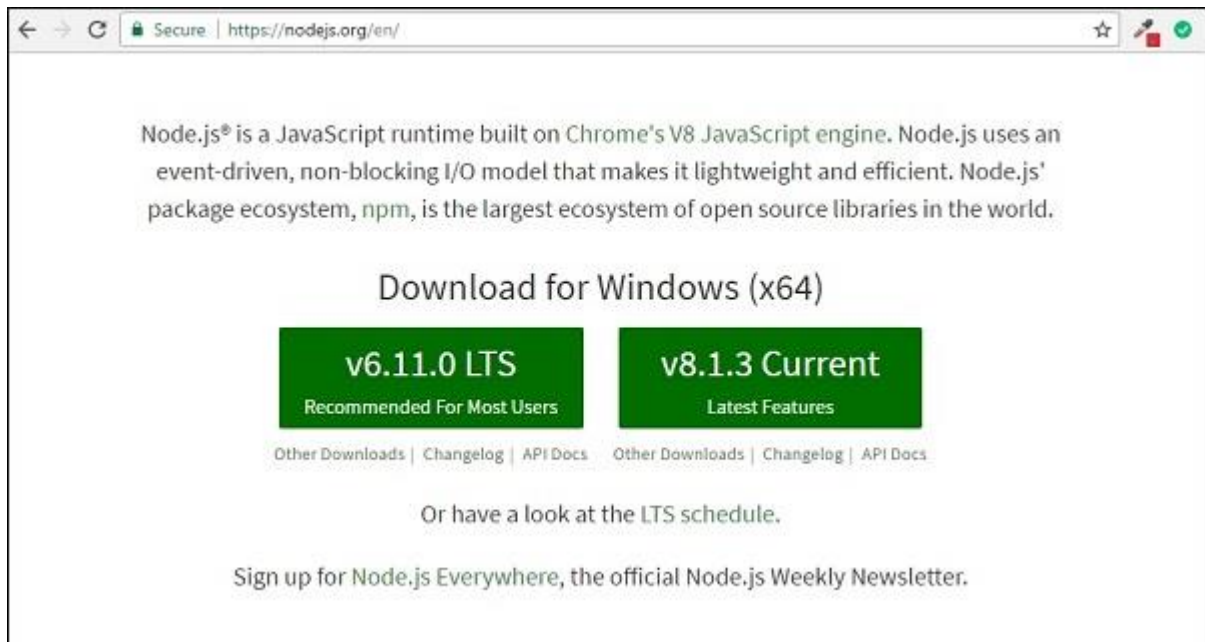
<https://www.npmjs.com/>



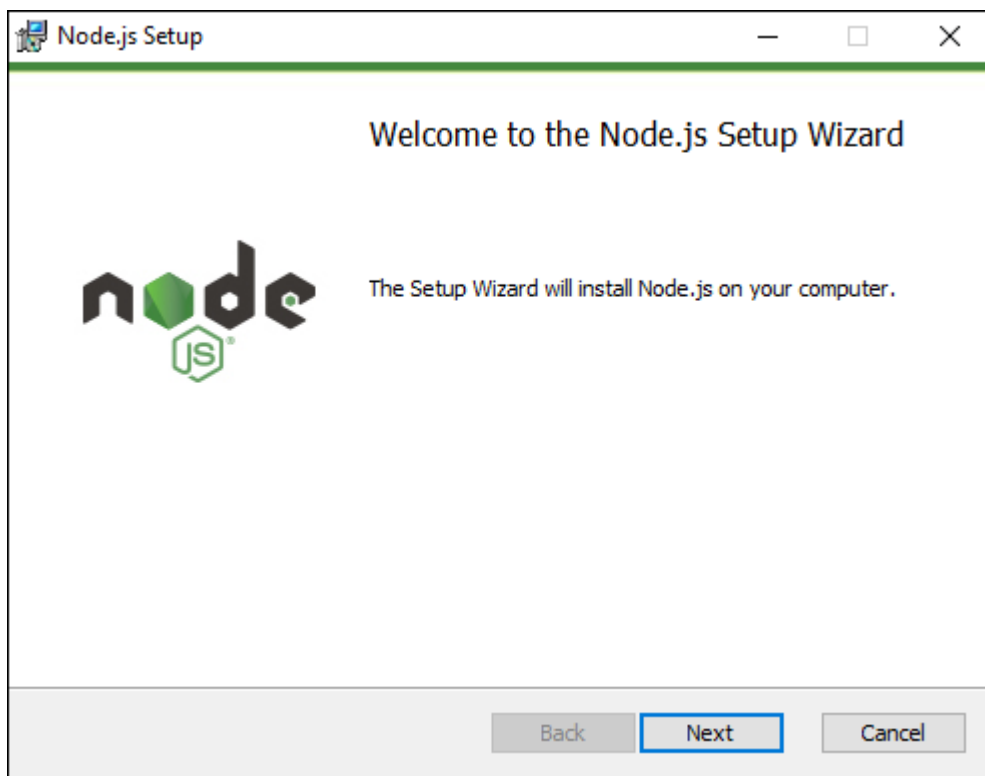
Step 1 – Go to the “get started with npm” section in the site.



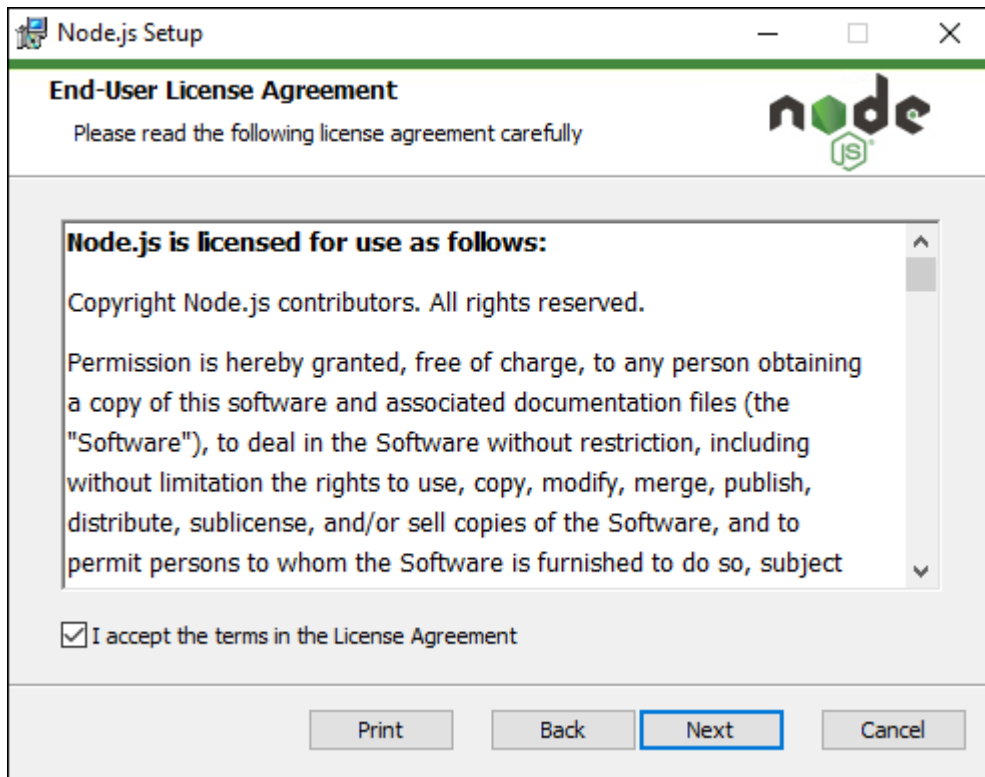
Step 2 – In the next screen, choose the installer to download, depending on the operating system. For the purpose of this exercise, download the Windows 64 bit version.



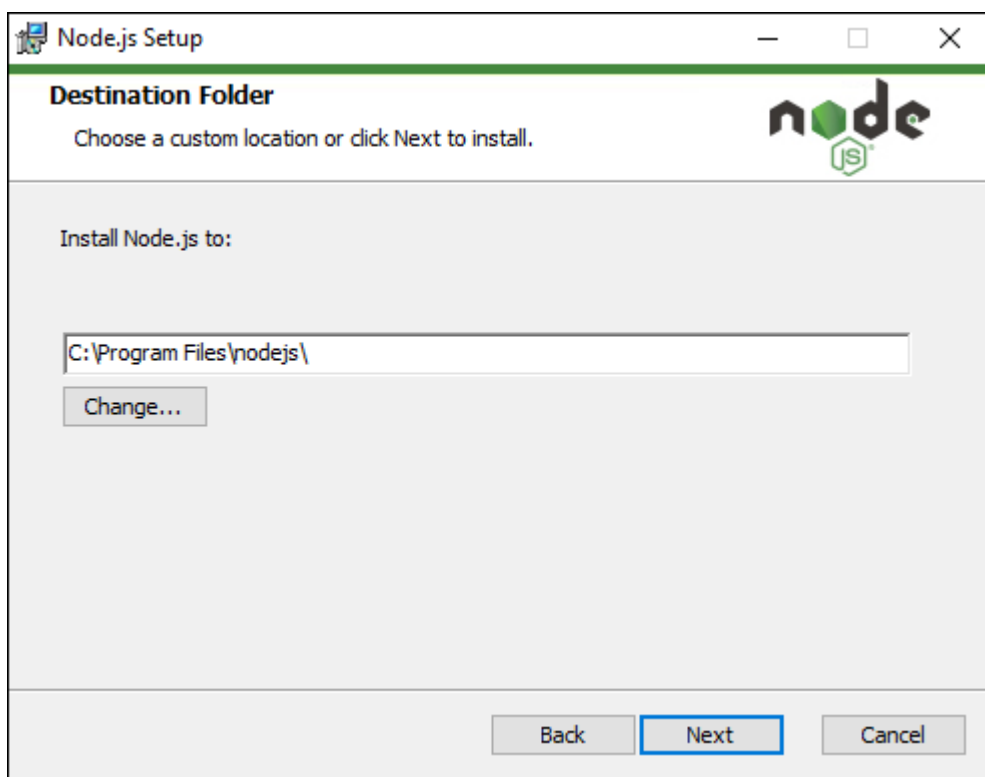
Step 3 – Launch the installer. In the initial screen, click the Next button.



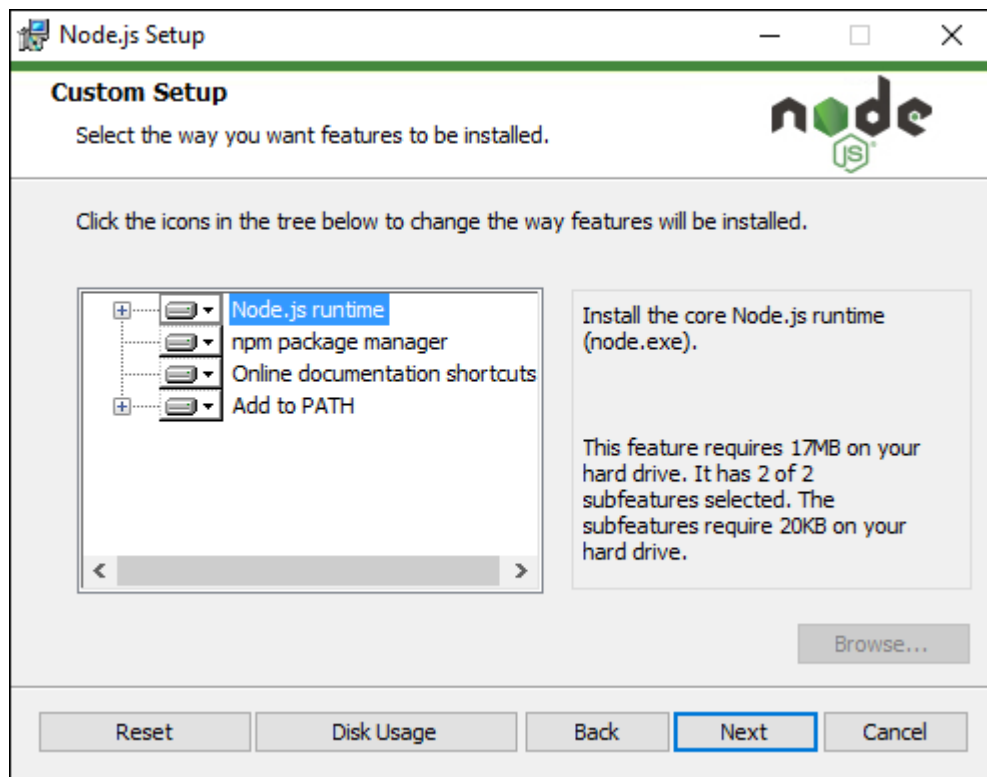
Step 4 – In the next screen, Accept the license agreement and click the next button.



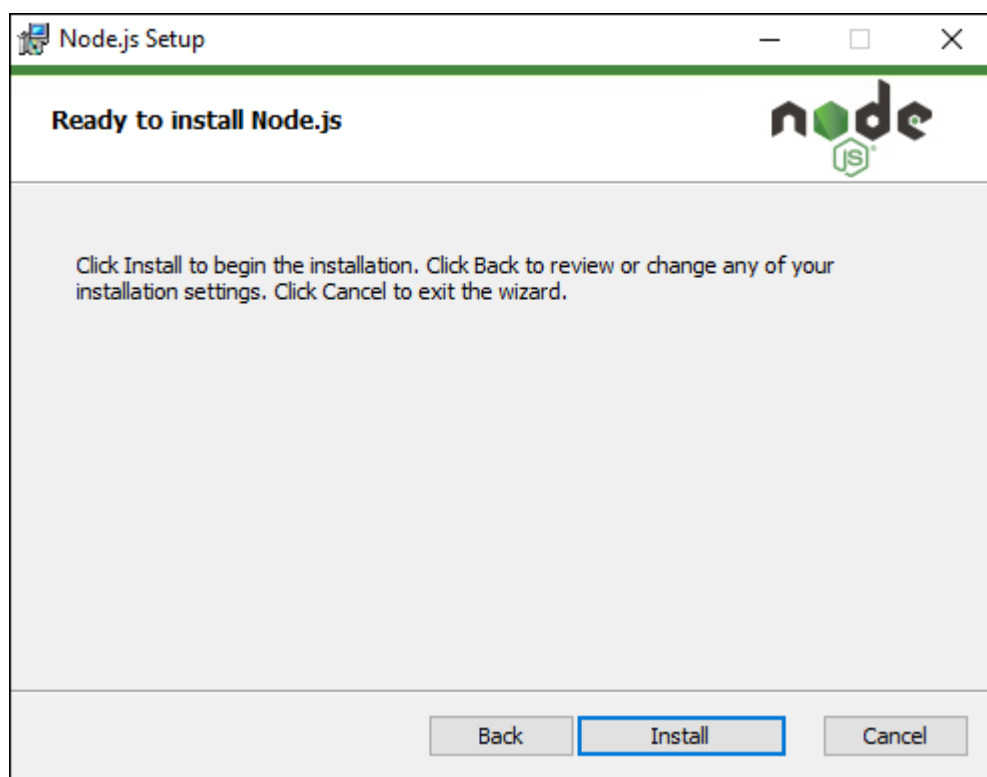
Step 5 – In the next screen, choose the destination folder for the installation and click the Next button.



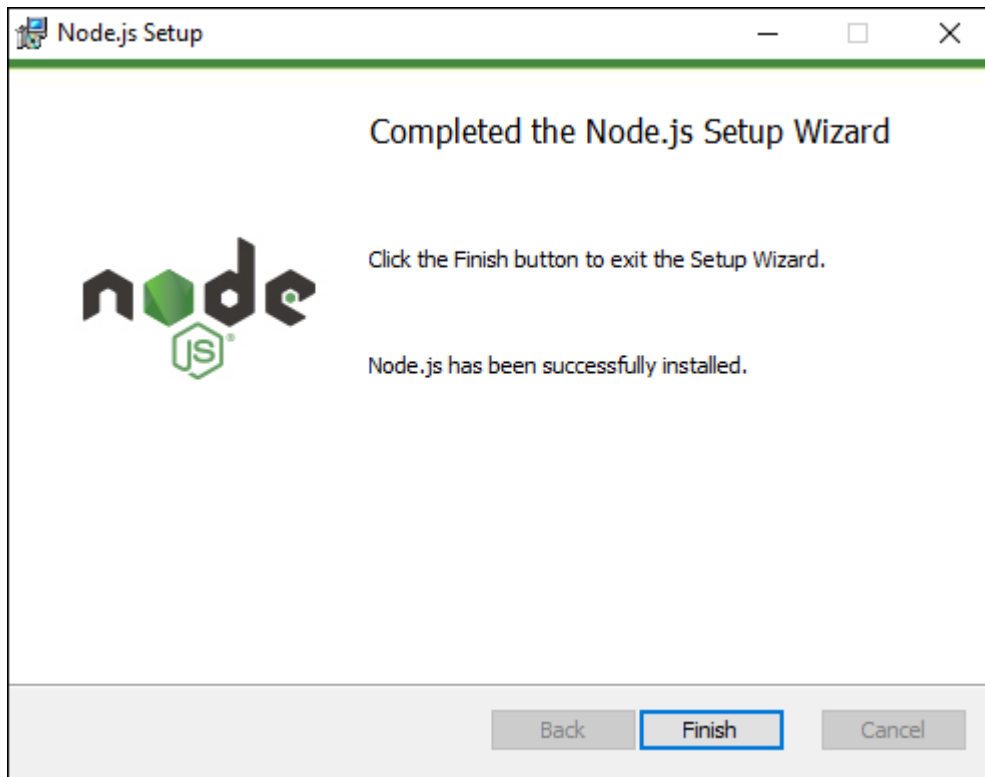
Step 6 – Choose the components in the next screen and click the Next button. You can accept all the components for the default installation.



Step 7 – In the next screen, click the Install button.



Step 8 – Once the installation is complete, click the Finish button.



Step 9 – To confirm the installation, in the command prompt you can issue the command `npm version`. You will get the version number of npm as shown in the following screenshot.

A screenshot of a Windows Command Prompt window. The title bar says 'Command Prompt'. The text inside shows the command prompt at 'C:\Users\Sai>' followed by the command 'npm version'. The output is a JSON object: '{ npm: '3.10.10', ares: '1.10.1-DEV', http_parser: '2.7.0', icu: '58.2', modules: '48', node: '6.11.0', openssl: '1.0.2k', uv: '1.11.0', v8: '5.1.281.102', zlib: '1.2.11' }'. The prompt is now at 'C:\Users\Sai>' with a cursor.

```
node --version
npm --version
```

If you get the versions Node 4.x.x and NPM 3.x.x. or higher you are all set.
If not you have to get the latest versions.

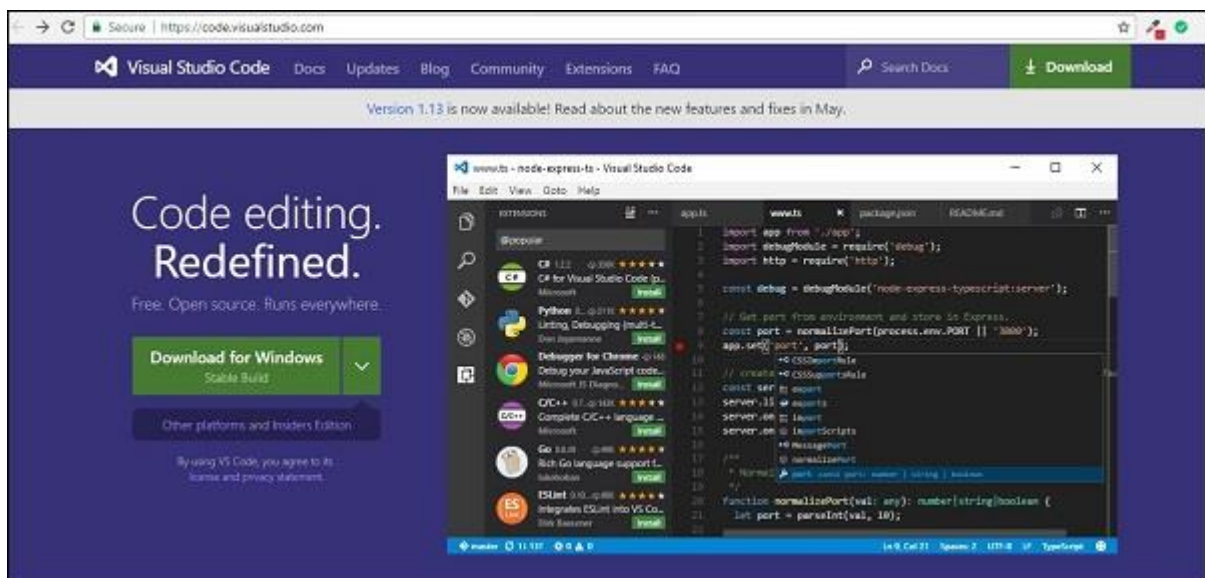
Let's move on to Angular

2. Installing VisualStudio Code :-

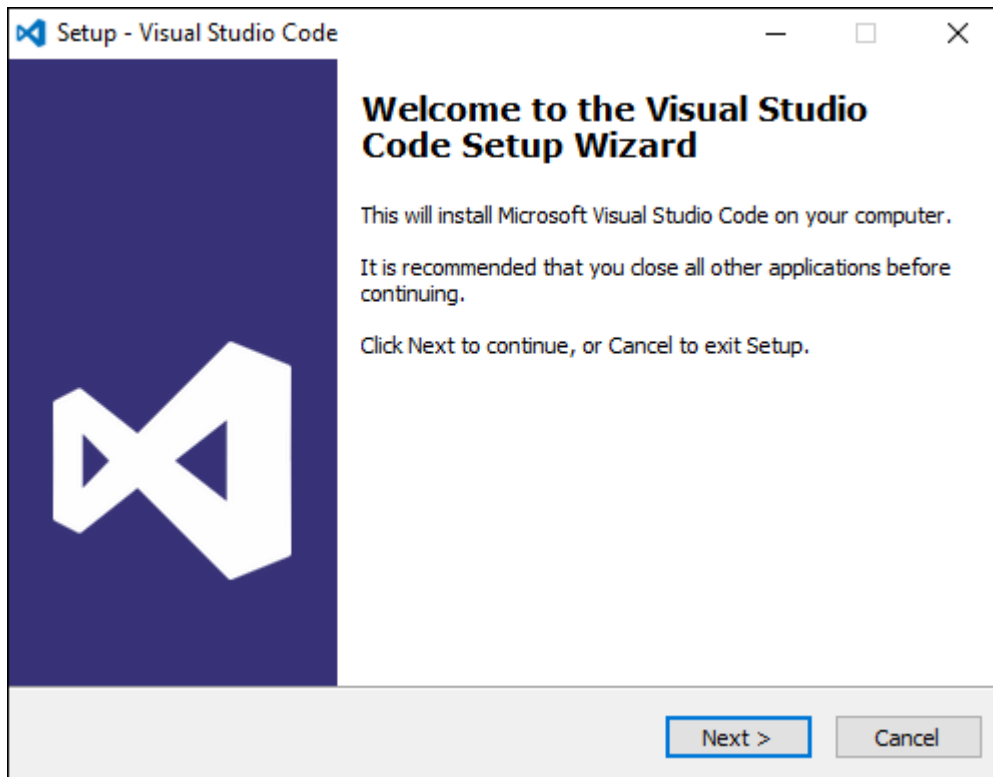
Following are the features of Visual Studio Code –

- Light editor when compared to the actual version of Visual Studio.
- Can be used for coding languages such as Clojure, Java, Objective-C and many other languages.
- Built-in Git extension.
- Built-in IntelliSense feature.
- Many more extensions for development.

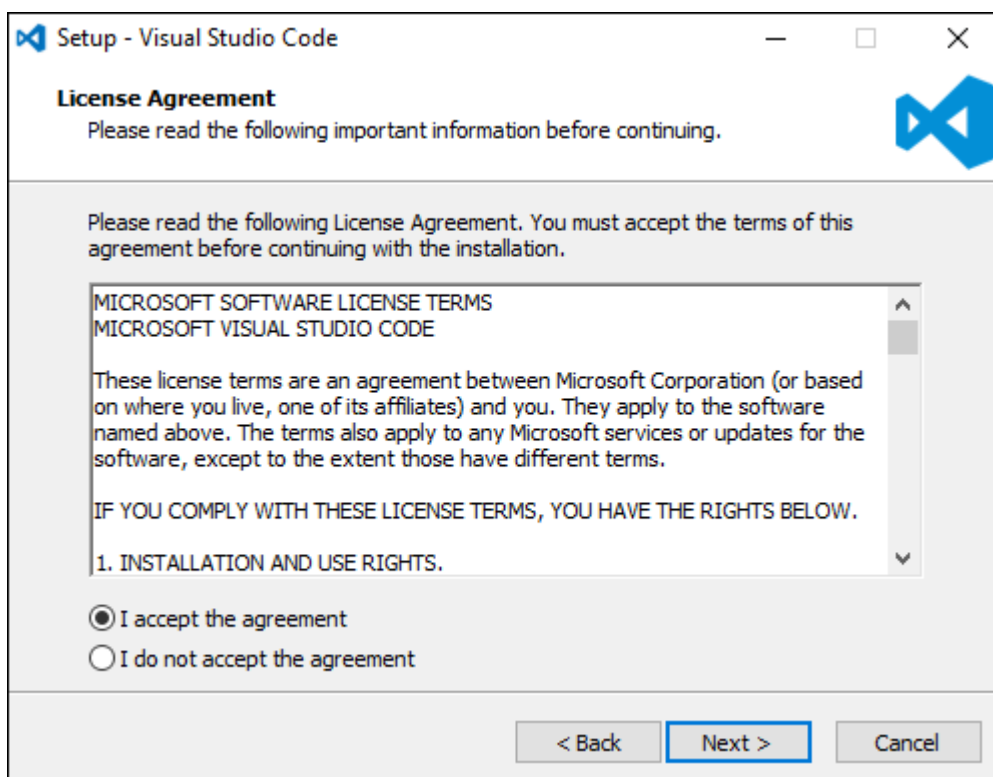
The official site for Visual Studio code is <https://code.visualstudio.com/>



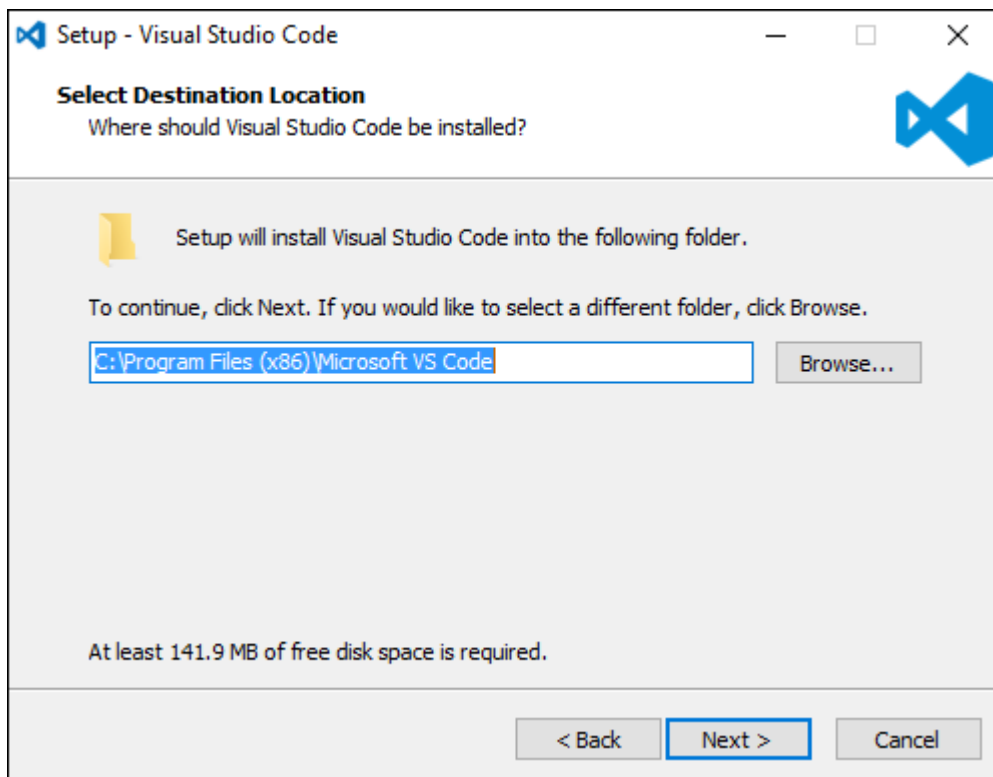
Step 1 – After the download is complete, please follow the installation steps. In the initial screen, click the Next button.



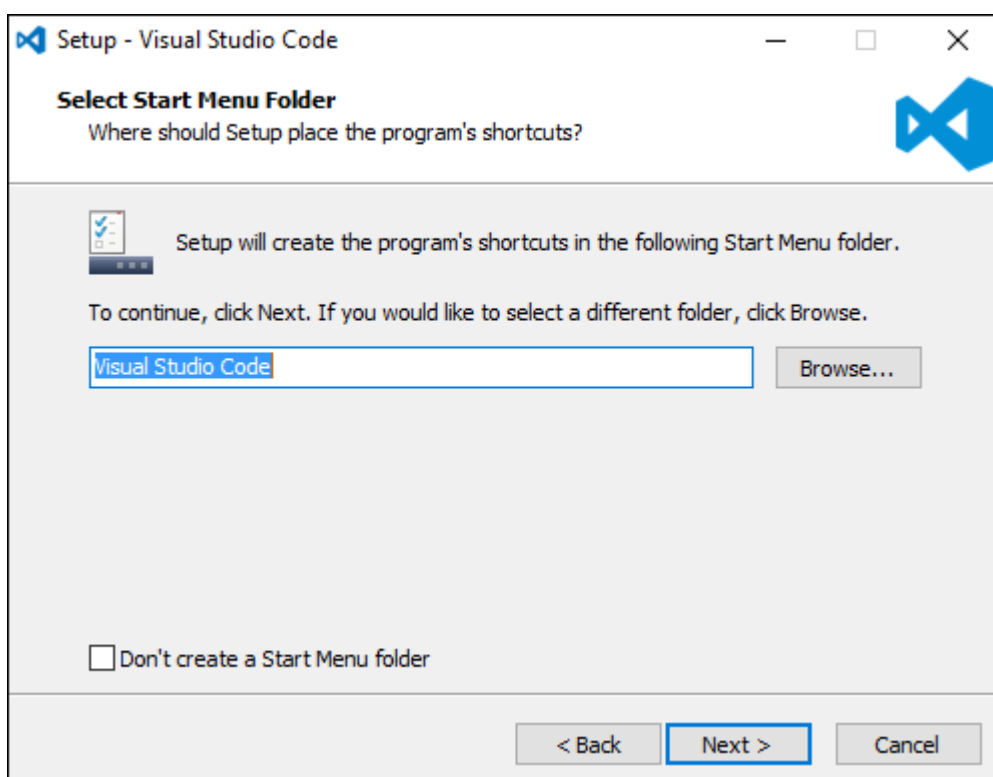
Step 2 – In the next screen, accept the license agreement and click the Next button.



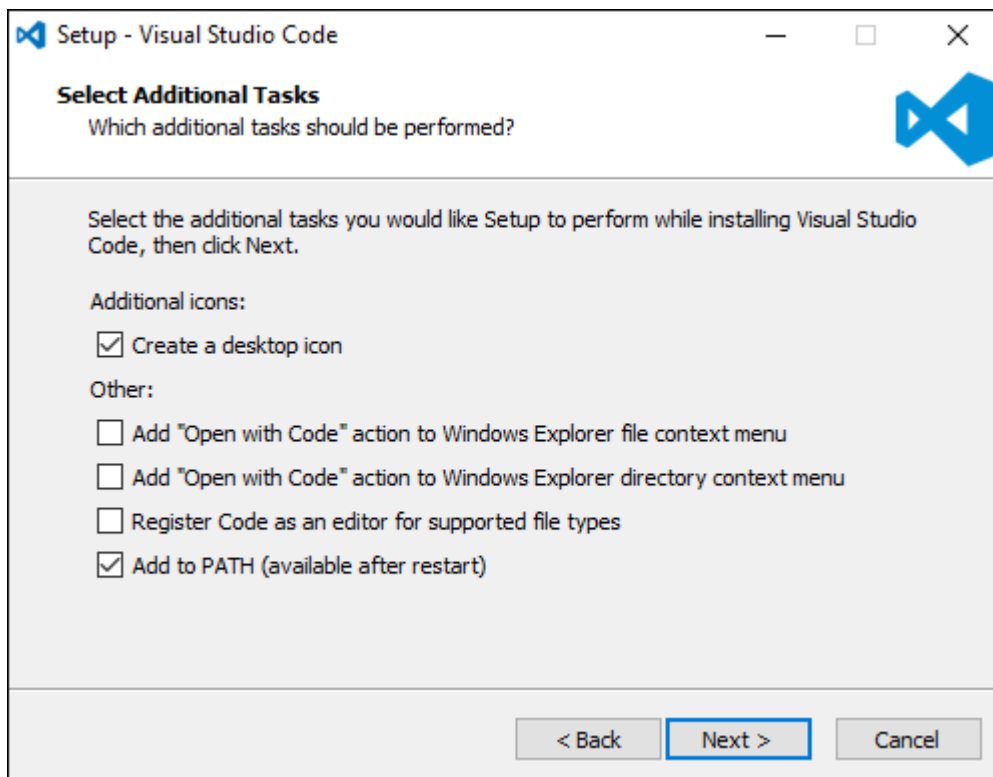
Step 3 – In the next screen, choose the destination location for the installation and click the next button.



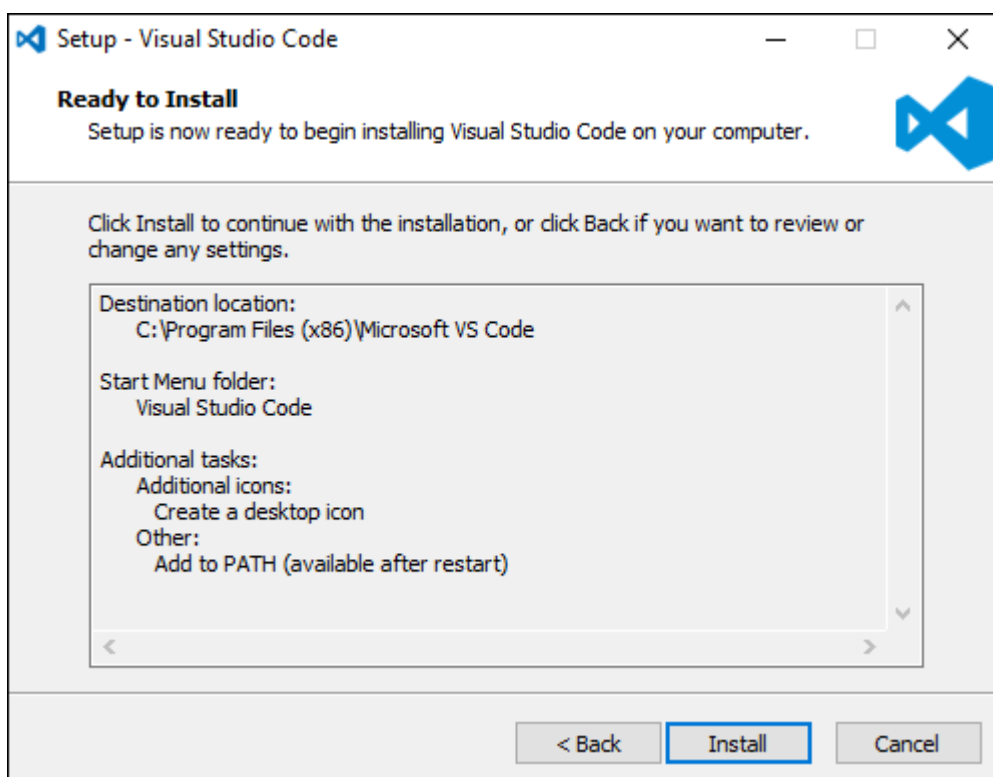
Step 4 – Choose the name of the program shortcut and click the Next button.



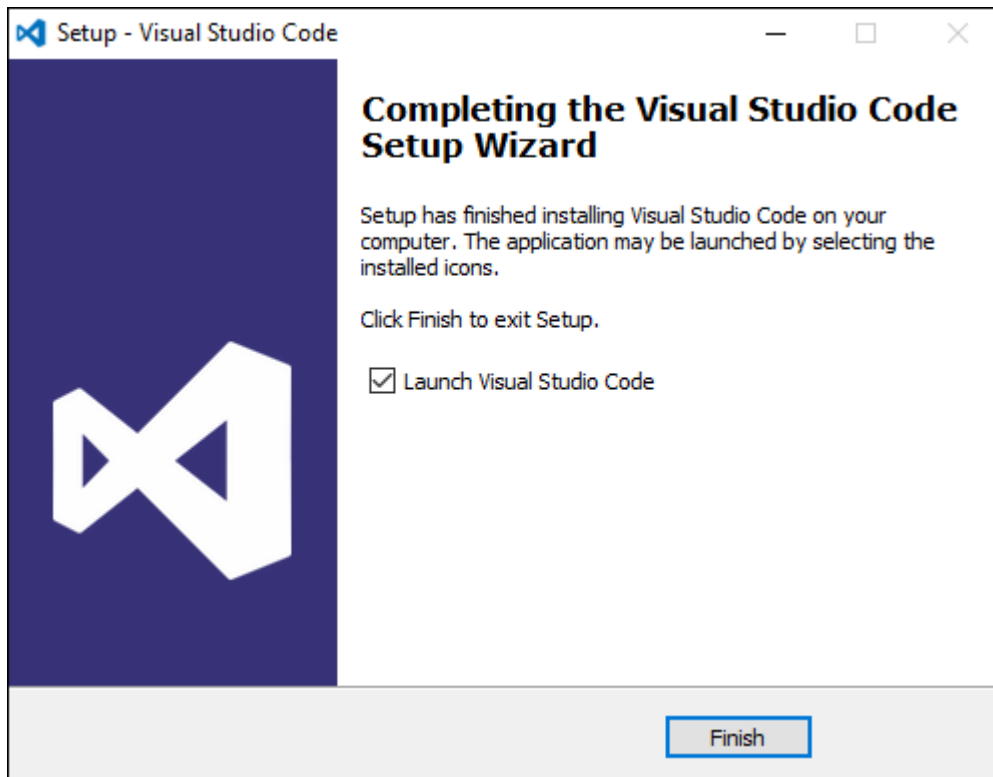
Step 5 – Accept the default settings and click the Next button.



Step 6 – Click the Install button in the next screen.



Step 7 – In the final screen, click the Finish button to launch Visual Studio Code.



3. Installing Git Set up

Some of the key features of Git are –

- Easy branching and merging of code.
- Provision to use many techniques for the flow of code within Git.
- Git is very fast when compared with other SCM tools.
- Offers better data assurance.
- Free and open source.

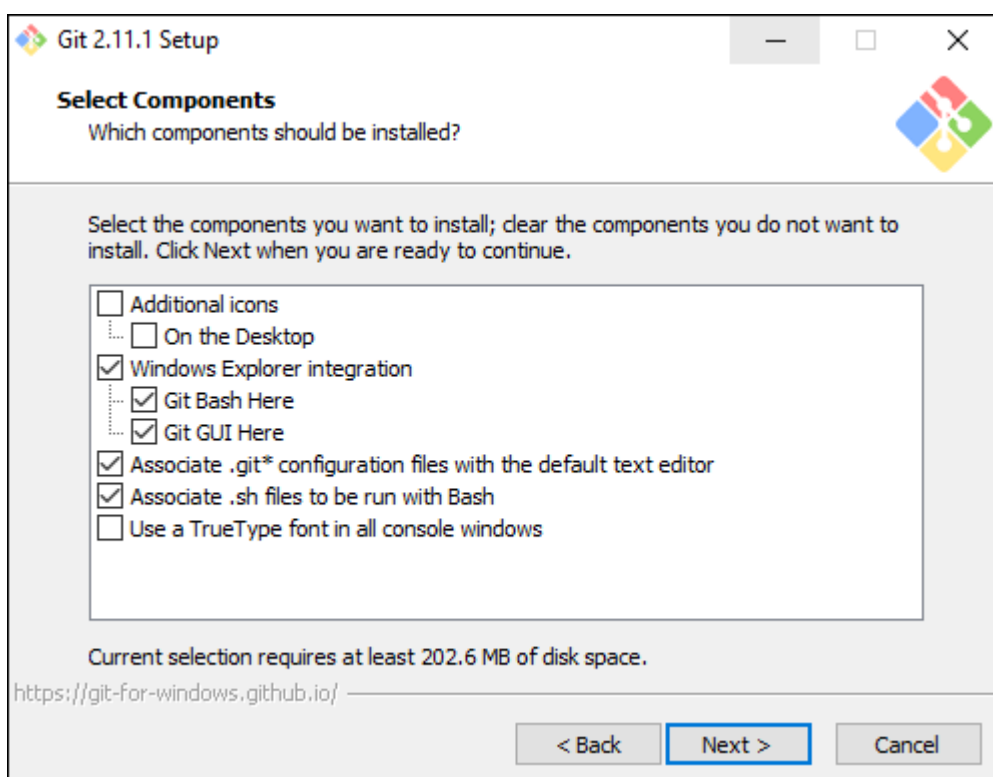
The official site for Git is <https://git-scm.com/>



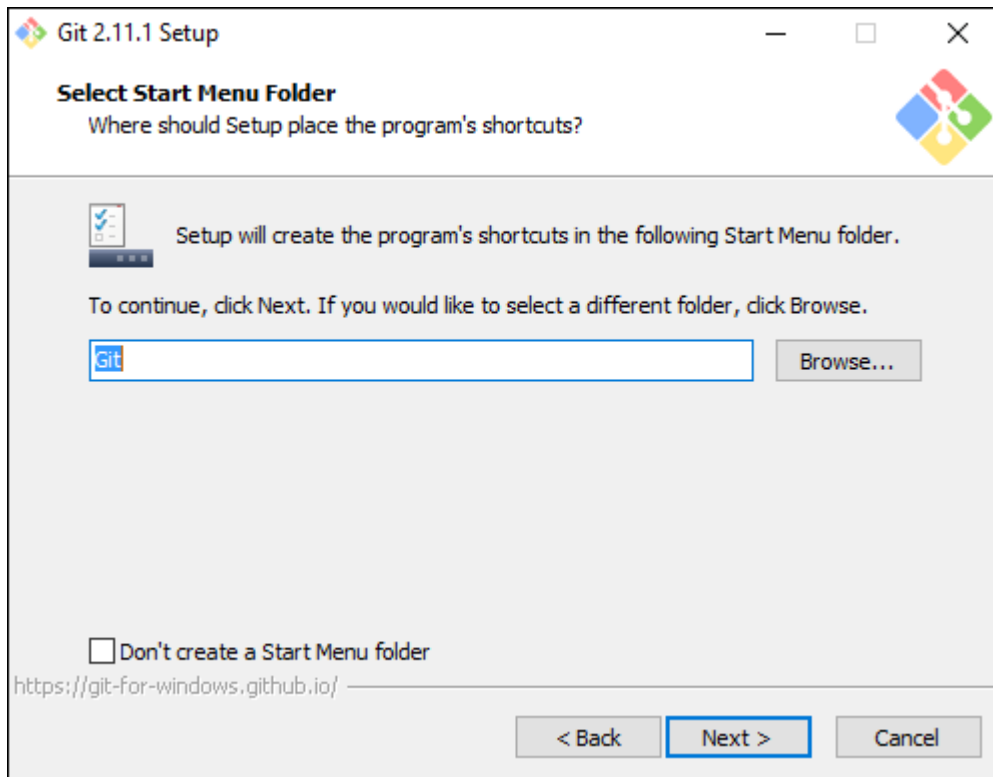
Step 1 – After the download is complete, please follow the installation steps. In the initial screen, click the Next button.



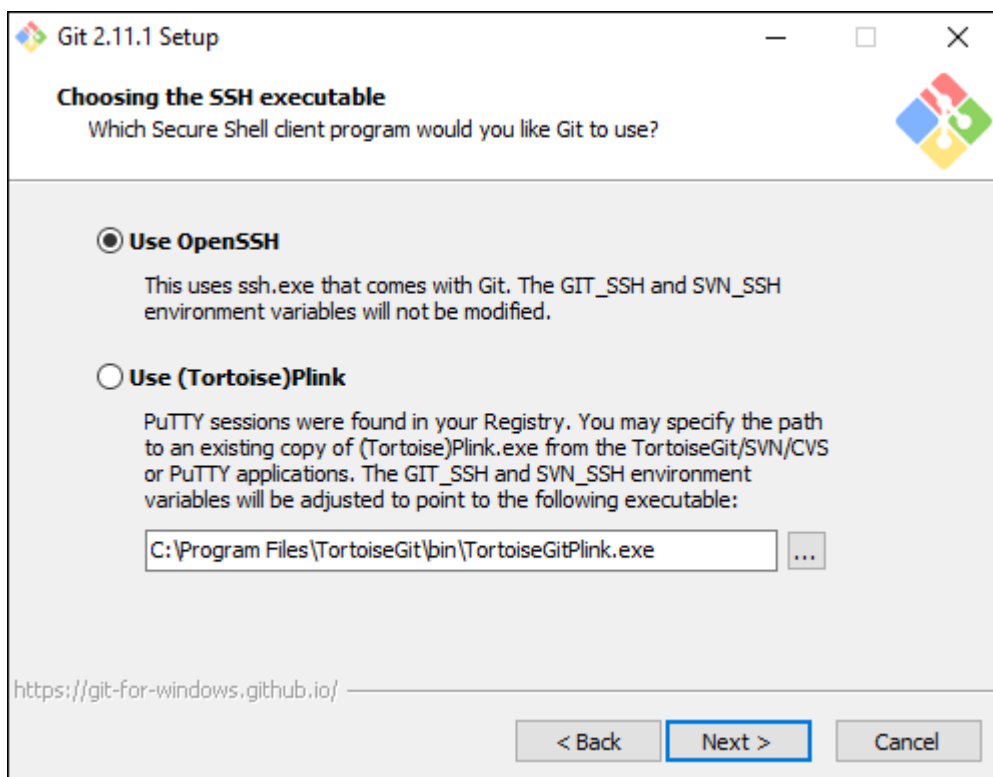
Step 2 – Choose the components which needs to be installed. You can accept the default components.



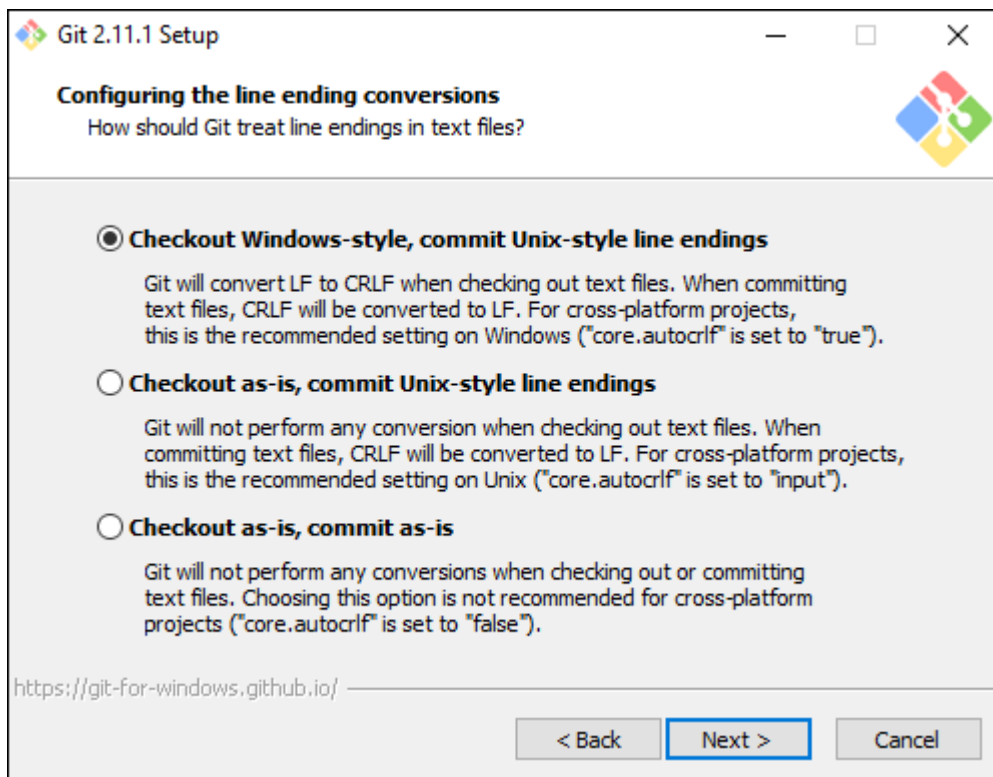
Step 3 – In the next step, choose the program shortcut name and click the Next button.



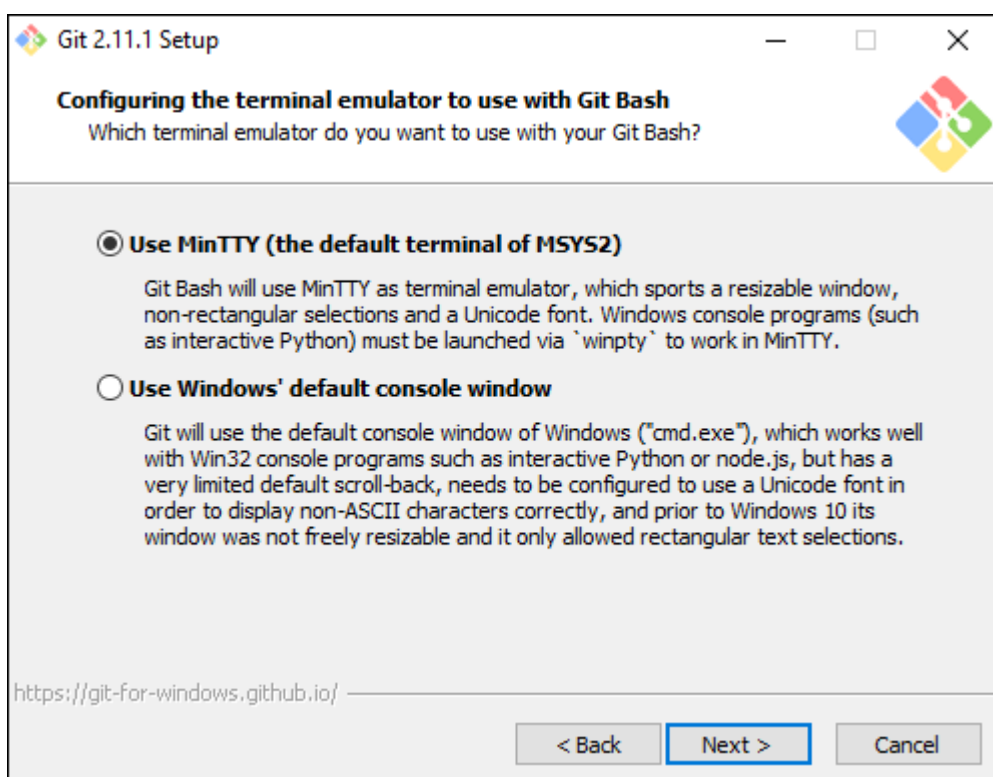
Step 4 – Accept the default SSH executable and click the Next button.



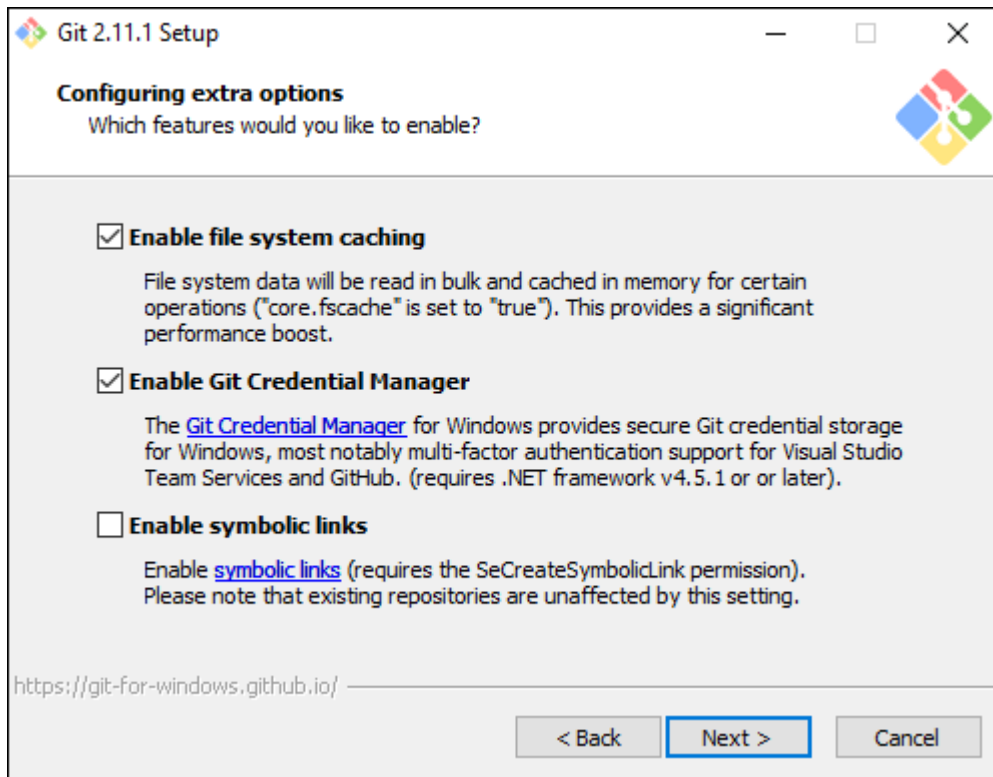
Step 5 – Accept the default setting of "Checkout Windows style, commit Unix style endings" and click the Next button.



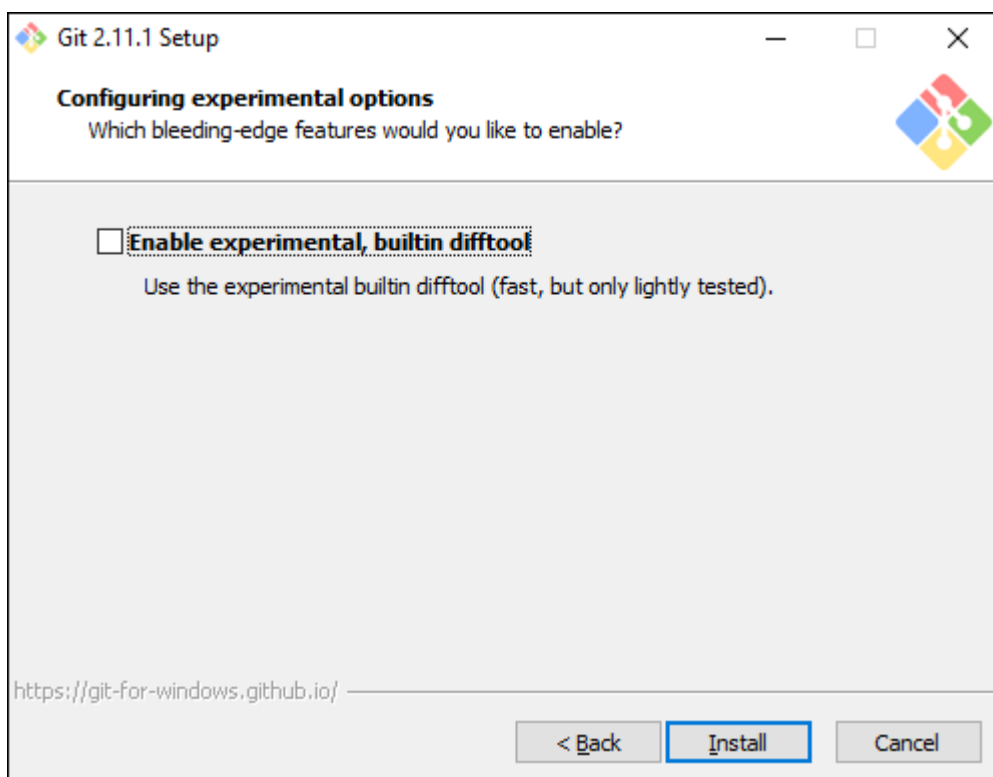
Step 6 – Now, accept the default setting of the terminal emulator and click the Next button.



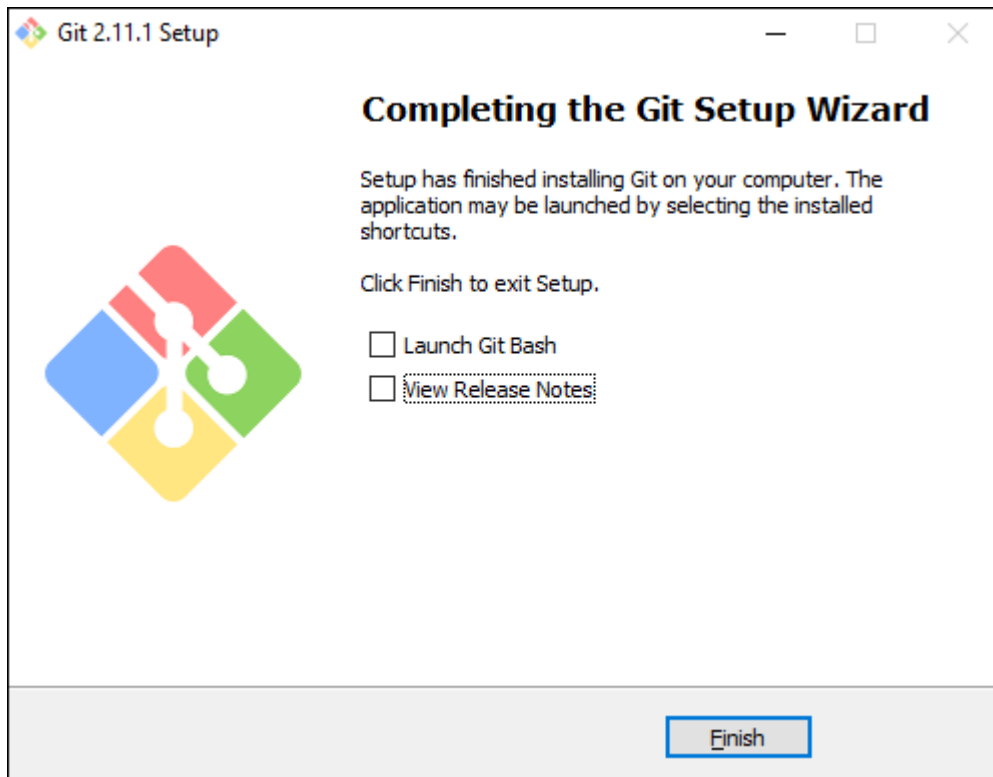
Step 7 – Accept the default settings and click the Next button.



Step 8 – You can skip the experimental options and click the Install button.



Step 9 – In the final screen, click the Finish button to complete the installation.



4. Creating Angular2 Application

```
> npm install -g angular-cli  
> ng new ngTodo  
> cd ngTodo  
> ng serve
```

Angular 2 Tutorials

Create a CRUD App with Angular

5. Creating folder to generate ts, html, css and :-

ng generate component <folder name>

component inside componenet :-

ng generate component <Parent folder name/Child FolderName>

example :-

1. **ng generate component employee**
2. **ng generate component employee/employeeCount**

6 .Creating folder to generate service

```
ng generate service weather
```

7. Installing Angular material and animation:-

```
npm install --save @angular/material @angular/cdk  
npm install --save @angular/animations  
npm install --save hammerjs
```

add global css. In styles.css

```
@import "~@angular/material/prebuilt-themes/indigo-pink.css";
```

Go to main.ts file and add

```
import 'hammerjs';
```

Go to index.html and add

```
<link href="https://fonts.googleapis.com/icon?family=Material+Icons"  
rel="stylesheet">
```

8. Installing support Bootstrap in angular :-

npm install bootstrap@3 --save

Once Bootstrap is installed, open .angular-cli.json file and specify the path to the Bootstrap stylesheet (bootstrap.min.css) in the styles property as shown below.

```
"styles": [  
  "../node_modules/bootstrap/dist/css/bootstrap.min.css",  
  "styles.css"  
]
```

9. Build the Project

>>Go to the directory

npm build

for Production

npm build --prod

npm build --prod --base-href /whateve

For Angular 5 :--

ng new ng5 --style =scss --routing

10. Creating Fack json .

Need to install json server through npm

\$ npm install -g json-server

json-server --watch db.json

<http://localhost:3000/employees>

To Install Chart in project folders

npm install chart.js --save

Other way

npm install angular2-fusioncharts --save

11. Generating module in Angular2

use :

down vote

```
ng g m route --routing
```

- g-> generate
- m-> module
- Route-> Your route Module Name(You can use any name).

12. Generate new module from command Line

```
13. ng g m login
```

ng g m route --routing

ng g c login

ng g m login