# React Native

# Install react in windows

## Install VS Code IDE

VS Code : - <https://code.visualstudio.com/download>

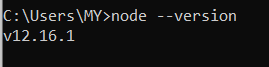
## Install NodeJS and NPM

Download :- <https://nodejs.org/en/>

## Create React APP

### Check version

Open terminal and type:



### Install React from terminal:

1. Change current working directory to project directory.

cd D:

1. Create a project directory for react app

mkdir REACT

1. Move to REACT folder

cd REACT

1. Install React from terminal:

npm install -g create-react-app

If successful, you should be able to get version:

create-react-app --version

1. Create react project:

create-react-app <projectname>

Example – This step may take 5 -15 minutes

D:\REACT>create-react-app workout

Creating a new React app in D:\REACT\workout.

Installing packages. This might take a couple of minutes.

Installing react, react-dom, and react-scripts with cra-template...

> core-js@2.6.11 postinstall D:\REACT\workout\node\_modules\babel-runtime\node\_modules\core-js

> node -e "try{require('./postinstall')}catch(e){}"

> core-js@3.6.4 postinstall D:\REACT\workout\node\_modules\core-js

> node -e "try{require('./postinstall')}catch(e){}"

> core-js-pure@3.6.4 postinstall D:\REACT\workout\node\_modules\core-js-pure

> node -e "try{require('./postinstall')}catch(e){}"

+ cra-template@1.0.3

+ react@16.13.1

+ react-scripts@3.4.1

+ react-dom@16.13.1

added 1574 packages from 750 contributors and audited 930020 packages in 384.891s

54 packages are looking for funding

  run `npm fund` for details

found 2 low severity vulnerabilities

  run `npm audit fix` to fix them, or `npm audit` for details

Git repo not initialized Error: Command failed: git --version

    at checkExecSyncError (child\_process.js:630:11)

    at execSync (child\_process.js:666:15)

    at tryGitInit (D:\REACT\workout\node\_modules\react-scripts\scripts\init.js:46:5)

    at module.exports (D:\REACT\workout\node\_modules\react-scripts\scripts\init.js:266:7)

    at [eval]:3:14

    at Script.runInThisContext (vm.js:120:20)

    at Object.runInThisContext (vm.js:311:38)

    at Object.<anonymous> ([eval]-wrapper:10:26)

    at Module.\_compile (internal/modules/cjs/loader.js:1158:30)

    at evalScript (internal/process/execution.js:94:25) {

  status: 1,

  signal: null,

  output: [ null, null, null ],

  pid: 1648,

  stdout: null,

  stderr: null

}

Installing template dependencies using npm...

npm WARN tsutils@3.17.1 requires a peer of typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.0-dev || >= 3.6.0-dev || >= 3.6.0-beta || >= 3.7.0-dev || >= 3.7.0-beta but none is installed. You must install peer dependencies yourself.

npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.2 (node\_modules\fsevents):

npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node\_modules\webpack-dev-server\node\_modules\fsevents):

npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node\_modules\watchpack\node\_modules\fsevents):

npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node\_modules\jest-haste-map\node\_modules\fsevents):

npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ @testing-library/jest-dom@4.2.4

+ @testing-library/react@9.5.0

+ @testing-library/user-event@7.2.1

added 36 packages from 54 contributors and audited 930226 packages in 36.973s

54 packages are looking for funding

  run `npm fund` for details

found 2 low severity vulnerabilities

  run `npm audit fix` to fix them, or `npm audit` for details

Removing template package using npm...

npm WARN tsutils@3.17.1 requires a peer of typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.0-dev || >= 3.6.0-dev || >= 3.6.0-beta || >= 3.7.0-dev || >= 3.7.0-beta but none is installed. You must install peer dependencies yourself.

npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.2 (node\_modules\fsevents):

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npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.12 (node\_modules\jest-haste-map\node\_modules\fsevents):

npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.12: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

removed 1 package and audited 930225 packages in 12.015s

54 packages are looking for funding

  run `npm fund` for details

found 2 low severity vulnerabilities

  run `npm audit fix` to fix them, or `npm audit` for details

Success! Created workout at D:\REACT\workout

Inside that directory, you can run several commands:

  npm start

    Starts the development server.

  npm run build

    Bundles the app into static files for production.

  npm test

    Starts the test runner.

  npm run eject

    Removes this tool and copies build dependencies, configuration files

    and scripts into the app directory. If you do this, you can’t go back!

We suggest that you begin by typing:

  cd workout

  npm start

Happy hacking!

1. Run project:

cd <projectname>

npm start

Expected output in terminal (and should auto open browser to port 3000):

Compiled successfully!

You can now view <project\_name> in the browser.

  Local:            http://localhost:3000/

  On Your Network:  http://<your\_ip\_address>:3000/

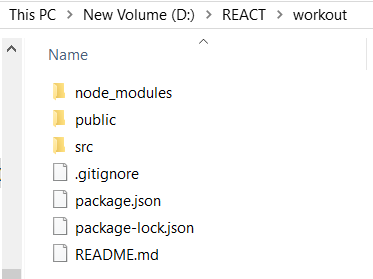
Note that the development build is not optimized.

To create a production build, use yarn build.

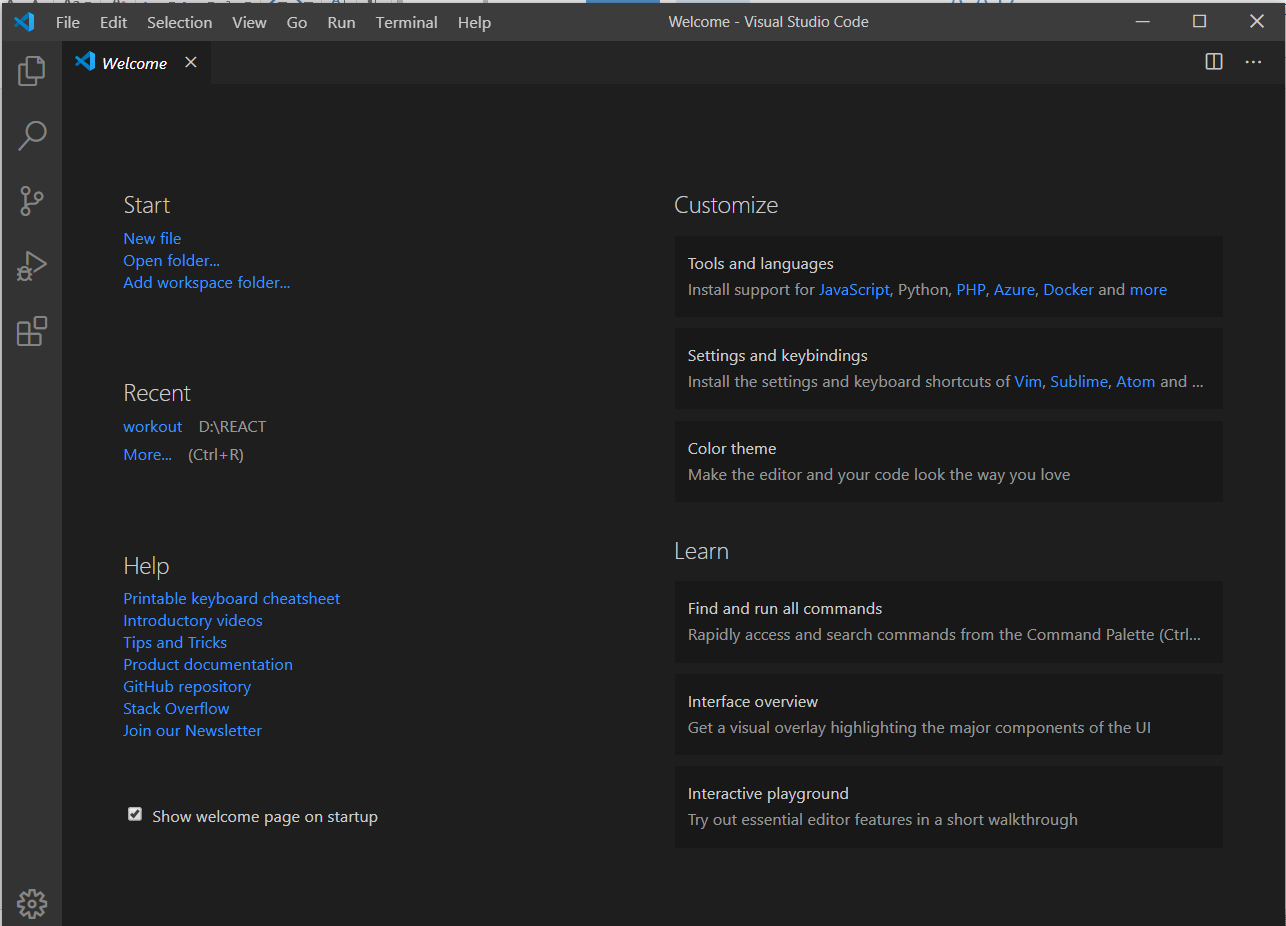
# Create Hello World app in react

Now the project is created in the following directory,

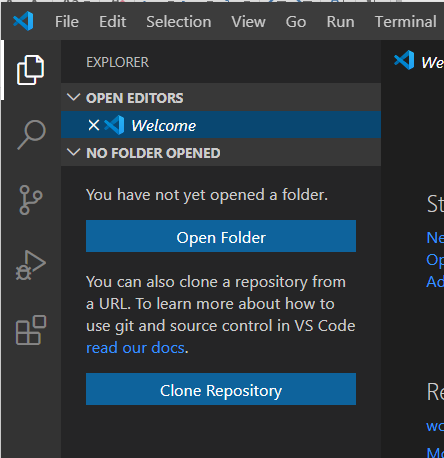
Location:- D:\REACT\workout



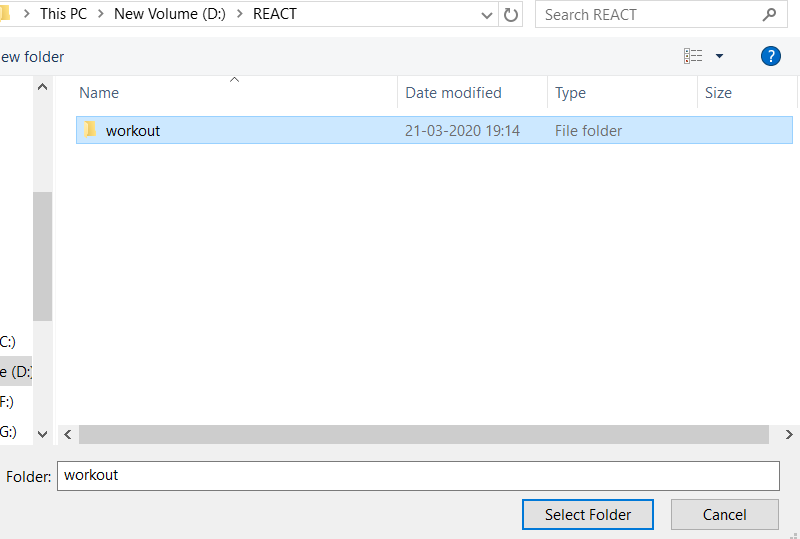
1. Open VS Code



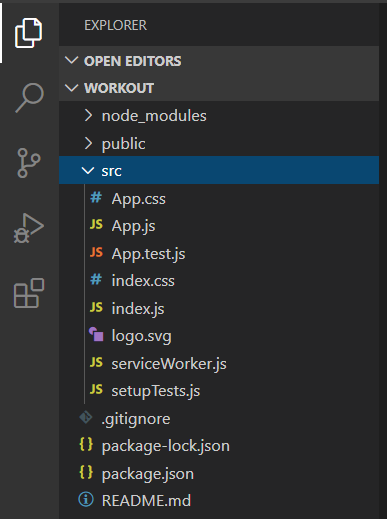
1. Click first option in the left side corner



1. Click open folder option
2. Select your project folder



1. Open “src”



1. Click “App.js” & Edit the component inside <header> tag

You can refer the following code

