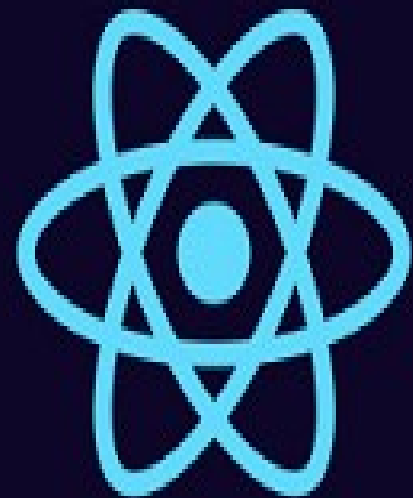


ReactJS





WHAT IS REACT

- React is a free and open-source front-end JavaScript library for building user interfaces based on UI components.
- Created by FACEBOOK (Meta and community)
- React is used to build single-page applications.
- React allows us to create reusable UI components.



INSTALLATION PROCESS

- Install Node
- Install npm
- Install create-react-app






INSTALL NODE

- WINDOWS
- <https://nodejs.org/en/download/>

Downloads

Latest LTS Version: 16.16.0 (includes npm 8.11.0)

Download the Node.js source code or a pre-built installer for your platform, and start developing today.

LTS Recommended For Most Users	Current Latest Features	
 Windows Installer node-v16.16.0-x64.msi	 macOS Installer node-v16.16.0.pkg	 Source Code node-v16.16.0.tar.gz

Windows Installer (.msi)

Windows Binary (.zip)

macOS Installer (.pkg)

macOS Binary (.tar.gz)

Linux Binaries (x64)

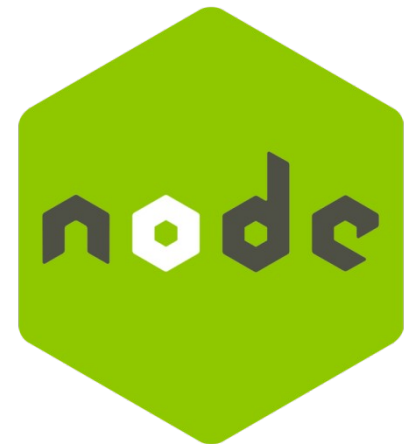
Linux Binaries (ARM)

Source Code

32-bit	64-bit
32-bit	64-bit
64-bit / ARM64	
64-bit	ARM64
64-bit	
ARMv7	ARMv8
node-v16.16.0.tar.gz	

Activate Windows
Go to Settings to activate

- UBUNTU
- Open your terminal or press Ctrl + Alt + T.
- `sudo apt install nodejs`
- *node -v or node -version*






INSTALL NPM

- WINDOWS
- <https://nodejs.org/en/download/>

Downloads

Latest LTS Version: 16.16.0 (includes npm 8.11.0)

Download the Node.js source code or a pre-built installer for your platform, and start developing today.

LTS Recommended For Most Users	Current Latest Features	
 Windows Installer node-v16.16.0-x64.msi	 macOS Installer node-v16.16.0.pkg	 Source Code node-v16.16.0.tar.gz

Windows Installer (.msi)

Windows Binary (.zip)

macOS Installer (.pkg)

macOS Binary (.tar.gz)

Linux Binaries (x64)

Linux Binaries (ARM)

Source Code

32-bit	64-bit
32-bit	64-bit
64-bit / ARM64	
64-bit	ARM64
64-bit	
ARMv7	ARMv8
node-v16.16.0.tar.gz	

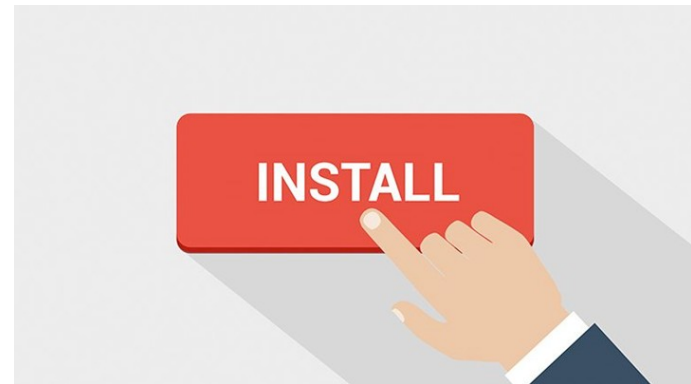
Activate Windows
Go to Settings to activate Windows.

- UBUNTU
- Open your terminal or press Ctrl + Alt + T.
- ***sudo apt install npm***
- ***npm -v or npm -version***



INSTALL CREATE-REACT-APP

- WINDOWS
 - Open the command prompt
 - “npm install -g create-react-app “
- UBUNTU
 - open your terminal or press Ctrl+Alt+t
 - “npm install -g create-react-app

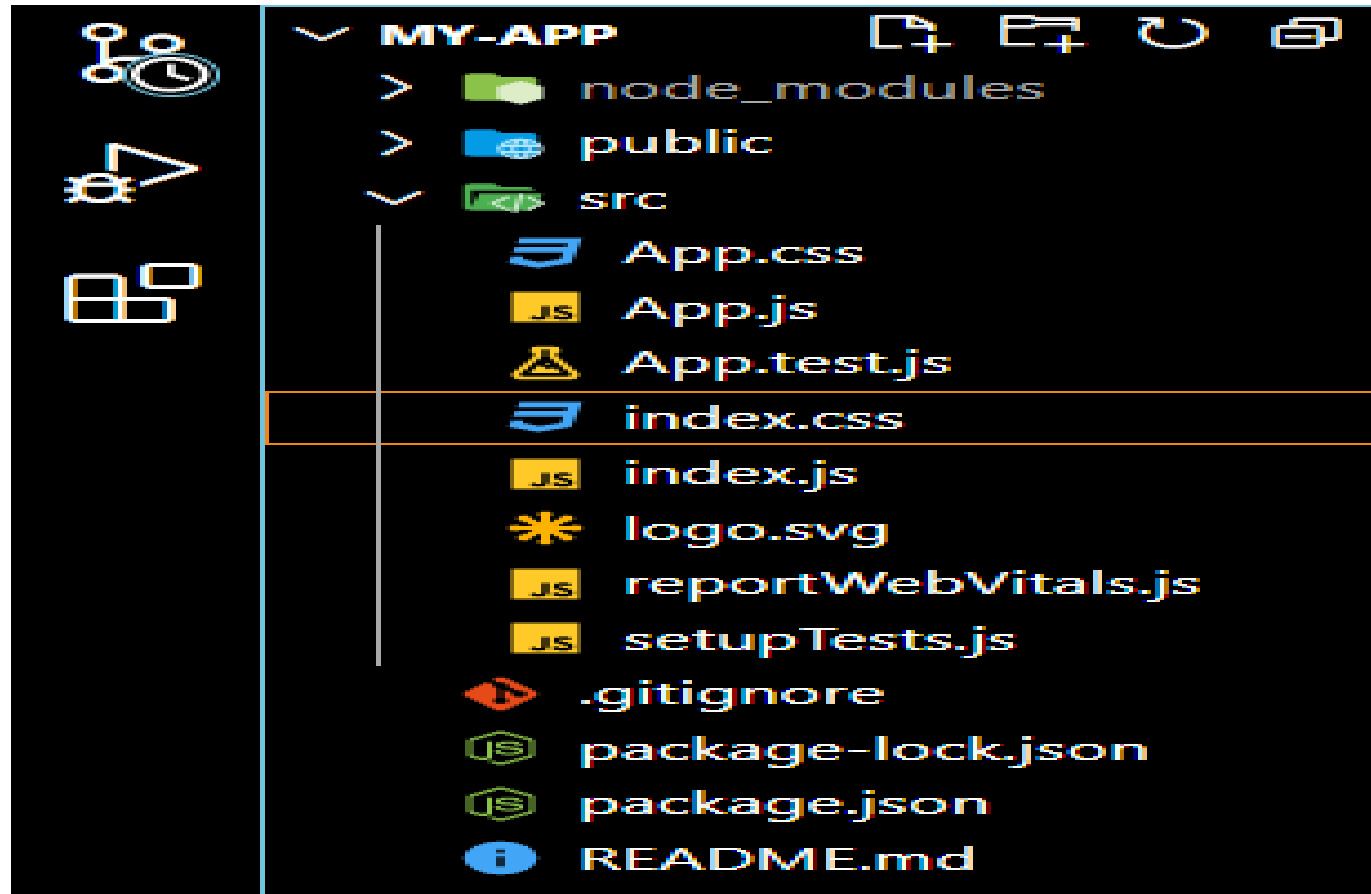


CREATE REACT APPLICATION

- Open your command prompt or your terminal
- Syntax: "npx create-react-app file name"
- Example: "npx create-react-app project"
- To run
 - "cd file name"
 - "npm start"

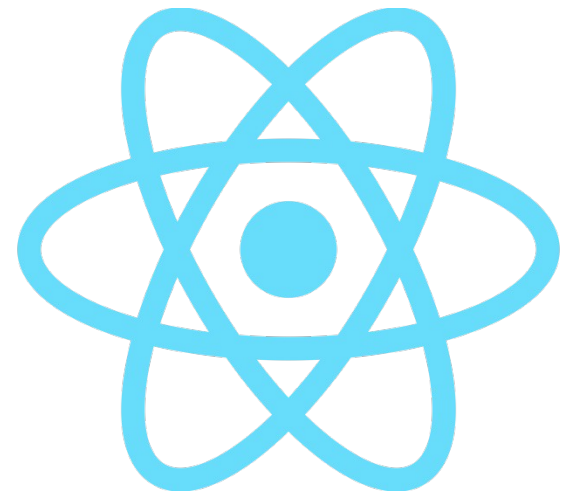


FILE STRUCTURE



INSTALL PACKAGES

- To install package of latest version
“npm install react-router-dom”
- To install package of particular version “@” “npm install react-router-dom@version”



IMPORT STATEMENT

- Its is a main statement in react js
- We want to import necessary file and package
- **To import package**
- Syntax: “import package components from ‘package name’”
- Example: “import Reac



- To import file or image
- Syntax: “import variable-name from ‘path’”
- Example: “import logo from ‘./logo.png’”



JSX

- JSX stands for JavaScript XML.
- JSX allows us to write HTML in React.
- JSX makes it easier to write and add HTML in React.

