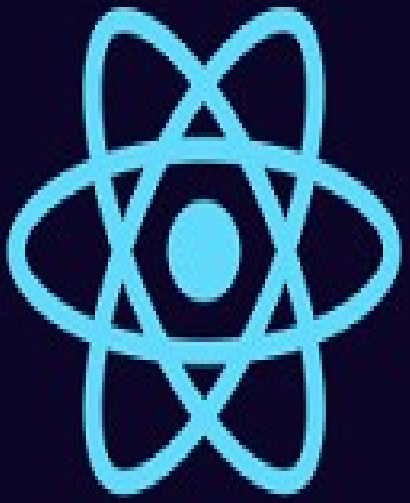
React JS



WHEN
WHY
WHAT
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WHO
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WHAT IS REACT

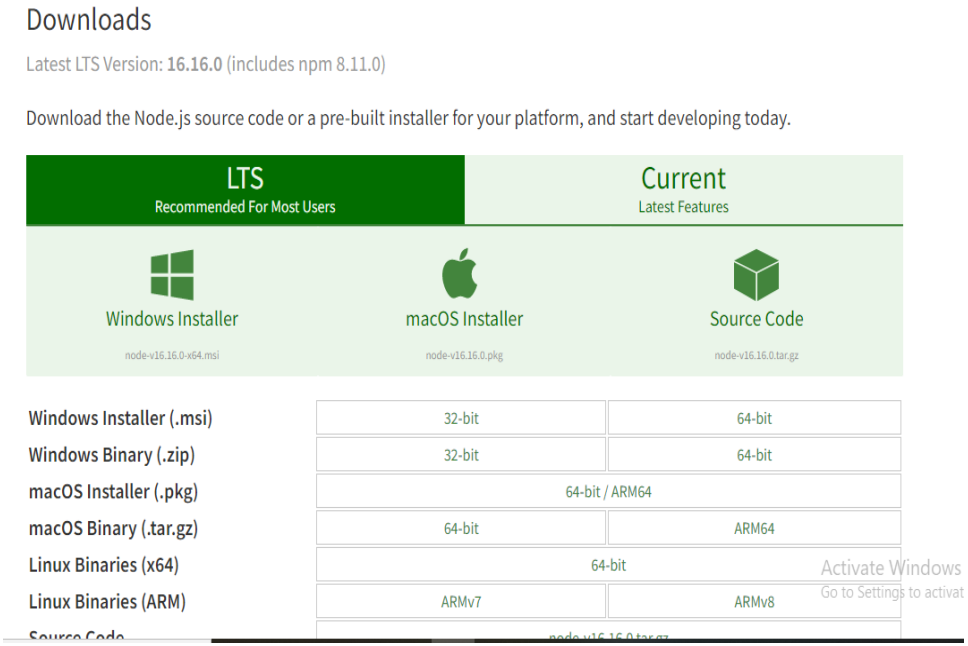
- React is a free and open-source front-end JavaScript library for building user interfaces based on UI components.
- Created by FACEBOOK (Meta and community)
- React is used to build single-page applications.
- React allows us to create reusable UI components.

INSTALLATION PROCESS

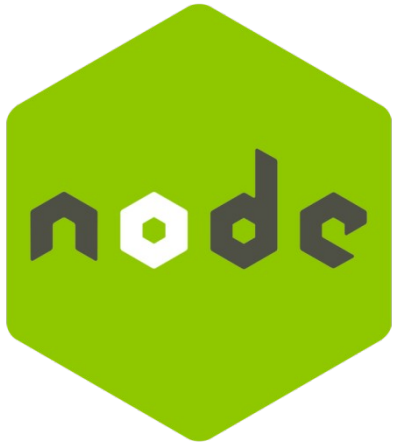
- Install Node
- Install npm
- Install creact-react-app

INSTALL NODE

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

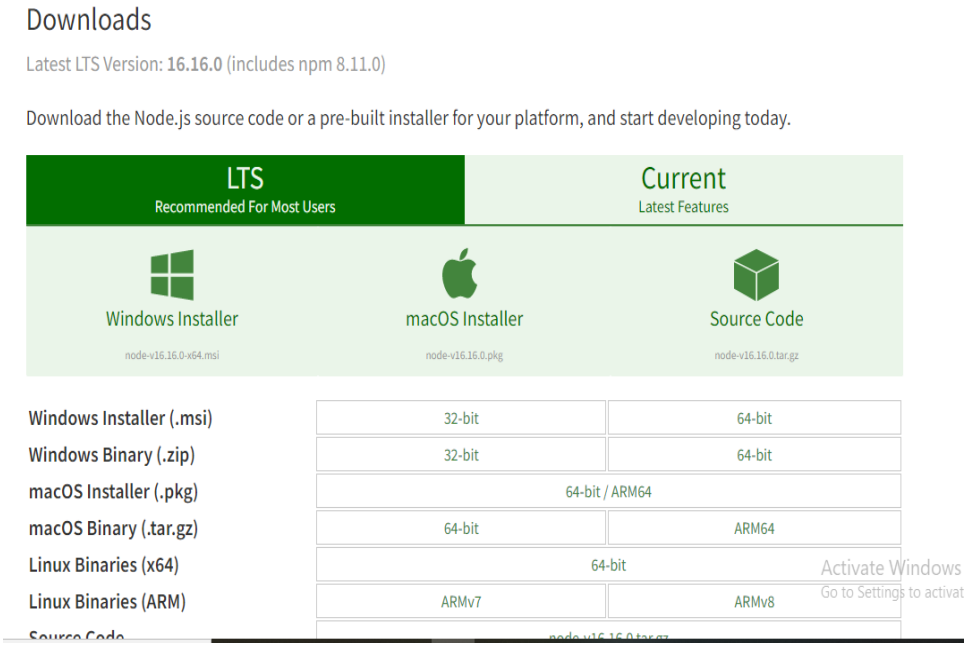


- UBUNTU
- Open your terminal or press Ctrl + Alt + T.
- sudo apt install nodejs
- *node -v or node –version*



INSTALL NPM

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



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

INSTALL CREATE-REACT-APP

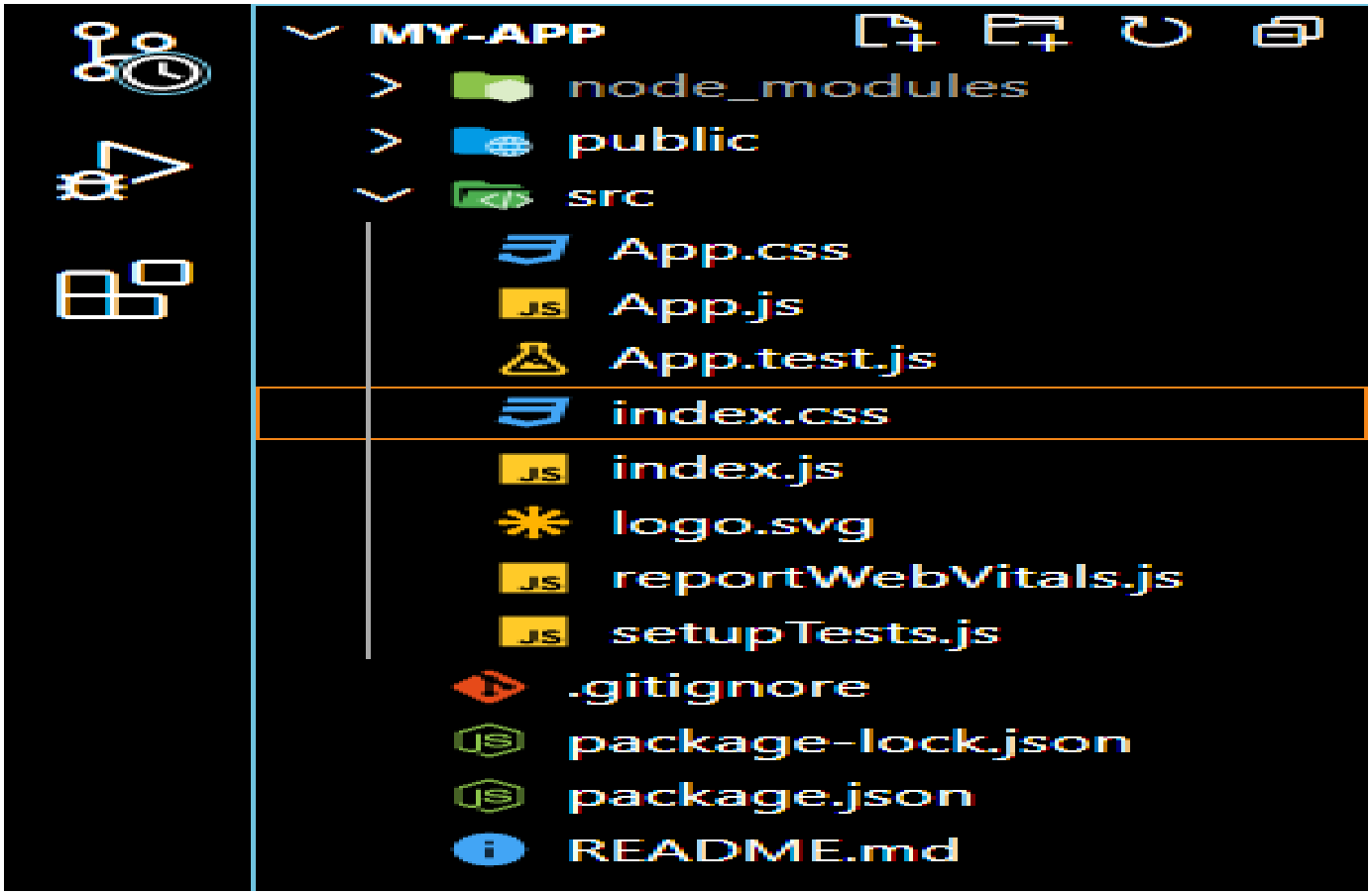
- WINDOWS
- Open the command prompt
- “npm install –g create-react-app “

- UBUNTU
- open your terminal or press Ctrl+Alt+t
- “npm install –g create-react-app

CREATE REACT APPLICATION

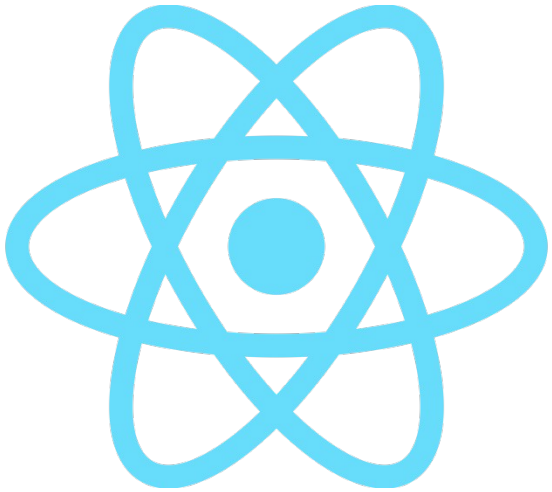
- Open your command prompt or your terminal
- Syntax:“npx create-react-app file name”
- Example:”npx create-rea project”
- To run
- “cd file name”
- “npm start”

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”



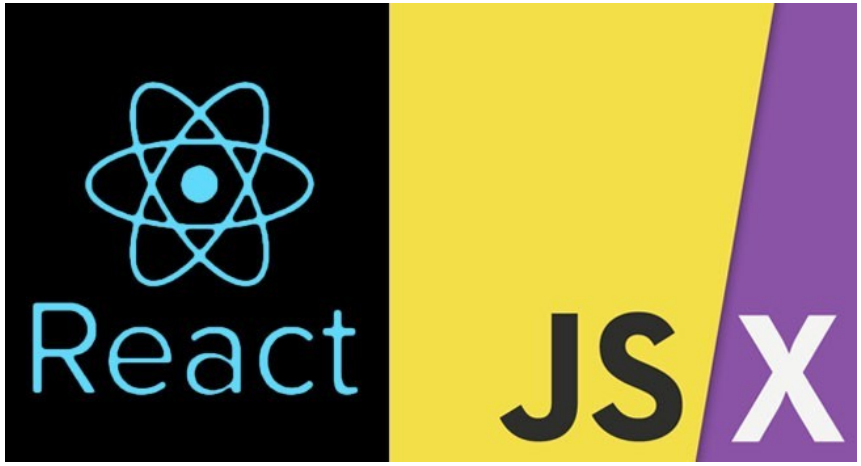
IMPORT STATEMENT

- 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.



ERROR