Npm init

Npm install –save react react-dom

npm install -D typescript

npm install -D @types/react @types/react-dom

npm install -D @types/node

npm install -D webpack webpack-cli

npm install -D ts-loader

create tsconfig.json

{

    "compilerOptions":{

        "module": "commonjs",

        "jsx": "react",

        "watch": true,

        "target": "ES5",

        "lib": ["DOM","ES6"]

    }

}

create index.ts

create a constant like

const my\_name = "tharunn";

alert(my\_name);

in package.json add this to scripts

"build": "tsc index.ts",

Run “npm run build” in terminal to see the js file being created

Now delete the js file that was created

Create a new folder called src

Move your index.ts file inside src

In package.json change “tsc intex.ts” to “tsc” and run npm run build

Now create a index.html in your root folder

<html>

    <head>

        <title>First react project</title>

    </head>

    <body>

        <script src="./src/index.js"></script>

    </body>

</html>

Now save and test your website. That completes the environment setup for node, react, typescript in vs code

Change index.ts to tsx extension

import \* as React from 'react';

import \* as ReactDOM from 'react-dom';

ReactDOM.render(

    <h1>This is jsx</h1>,

    document.querySelector('#root')

)

Create webpack.config.js in root folder