- React is JS library for building **user interface.**
- Single Page Application

CREATING REACT APPLICATION

To create react application in node-js, use **create-react-app** command.

```
npx create-react-app appName
cd appName
npm start
```
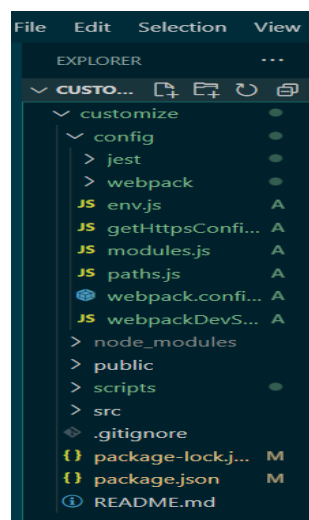
After npm start command, the application gets starts at **localhost:3000.**

CUSTOMIZING

To customize react application to our likings, we use **eject** command and install **@babel/preset-react** package as dev dependency.

```
npx create-react-app appName
cd appName
npm run eject
npm i -D @babel/preset-react @babel/preset-env
```

Add **css, js, data** folder in *public* folder and keep all the files relating to it in those folders.

Create a new folder called **views** and move **index.html** file from *public* folder to this newly created folder.

Now follow the below steps to customize the react application:

- **config** -> **paths.js** -> **module.exports** -> **appHtml**
  Change **appHtml** value from,

  *resolveApp('**public***/index.html')*

                             to

  *resolveApp('**views***/index.html')*

- In **package.json:**

  under **babel :**
  Change,
  "presets": [
      "**react-app**"
    ]

                          to

  "presets": [
      "**@babel/preset-env**",
      ["**@babel/preset-react**", *{"runtime": "automatic"}*]
    ]

- In **webpack.config.js:**

  1. *ctrl+F* -> **appSrc** -> go to **4**th of **5**th selection ie.
  Just below "*// Process application JS with Babel.*
   // The preset includes JSX, Flow, TypeScript, and some
  ESnext features." comment, change,

include: **path.appSrc**

to

include: [**paths.appSrc, paths.appPublic**]

2. ctrl+F -> **ModuleScopePlugin** -> *comment* the field