

# ASSIGNMENT-1

## Step-1: Install Nodejs and create the basic seed of React.

```
C:\Windows\system32\cmd.exe x + v
C:\Users\91638\OneDrive\Desktop\react>npm i -g create-react-app
npm WARN deprecated tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please upgrade asap.

changed 67 packages in 958ms

5 packages are looking for funding
  run 'npm fund' for details

C:\Users\91638\OneDrive\Desktop\react>create-react-app myapp-1

Creating a new React app in C:\Users\91638\OneDrive\Desktop\react\myapp-1.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1424 packages in 11m

229 packages are looking for funding
  run 'npm fund' for details
Git repo not initialized Error: Command failed: git --version
    at checkExecSyncError (node:child_process:885:11)
    at execSync (node:child_process:957:15)
    at tryGitInit (C:\Users\91638\OneDrive\Desktop\react\myapp-1\node_modules\react-scripts\scripts\init.js:46:5)
    at module.exports (C:\Users\91638\OneDrive\Desktop\react\myapp-1\node_modules\react-scripts\scripts\init.js:276:7)
    at [eval]:3:14
    at Script.runInThisContext (node:vm:129:12)
    at Object.runInThisContext (node:vm:387:38)
    at node:internal/process/execution:79:19
    at [eval]-wrapper:6:22 {
  status: 1,
  signal: null,
  output: [ null, null, null ],
  pid: 18848,
  stdout: null,
  stderr: null
}

Installing template dependencies using npm...
```

```
C:\Windows\system32\cmd.exe x + v
Microsoft Windows [Version 10.0.22621.1992]
(c) Microsoft Corporation. All rights reserved.

C:\Users\91638\OneDrive\Desktop\react>npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and tries to guess sensible defaults.

See 'npm help init' for definitive documentation on these fields
and exactly what they do.

Use 'npm install <pkg>' afterwards to install a package and
save it as a dependency in the package.json file.

Press ^C at any time to quit.
package name: (react)
version: (1.0.0)
description:
entry point: (index.js)
test command:
git repository:
keywords:
author:
license: (ISC)
About to write to C:\Users\91638\OneDrive\Desktop\react\package.json:

{
  "name": "react",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC"
}

Is this OK? (yes) yes
```

```
C:\Windows\system32\cmd.exe x + v
}

Installing template dependencies using npm...
added 74 packages, and changed 1 package in 3m

238 packages are looking for funding
  run 'npm fund' for details
Removing template package using npm...

removed 1 package, and audited 1499 packages in 5s

238 packages are looking for funding
  run 'npm fund' for details

6 high severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

Run 'npm audit' for details.

Success! Created myapp-1 at C:\Users\91638\OneDrive\Desktop\react\myapp-1
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!

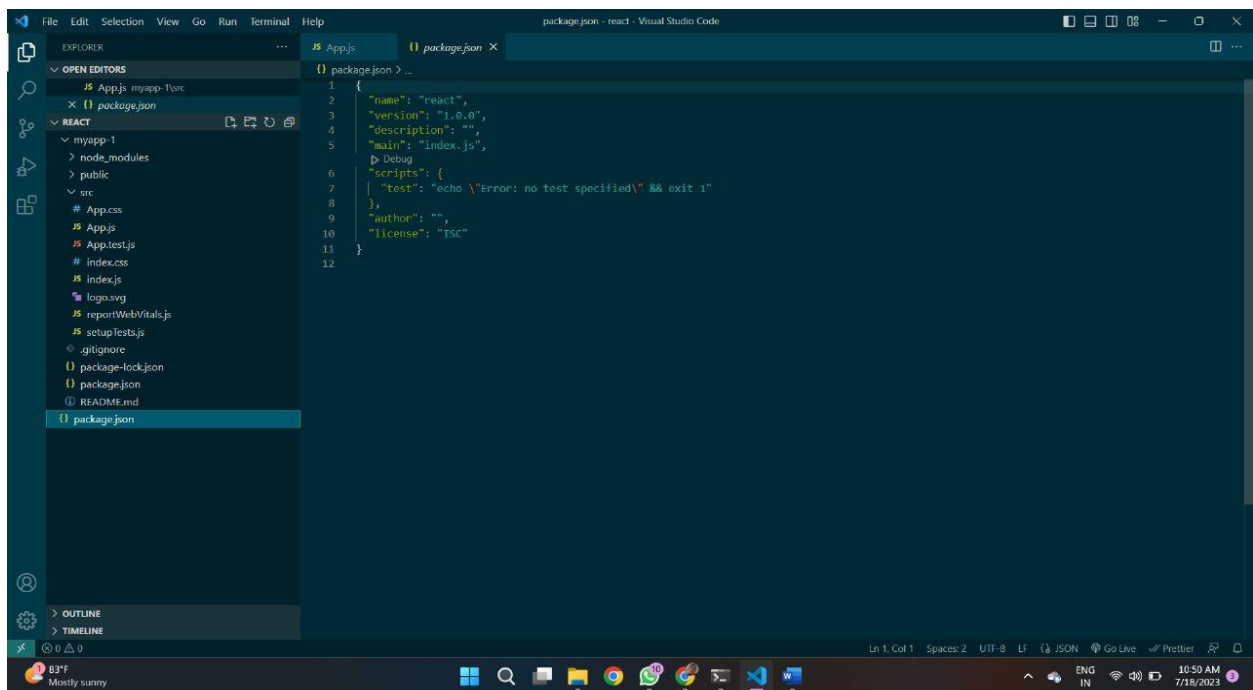
We suggest that you begin by typing:

  cd myapp-1
  npm start

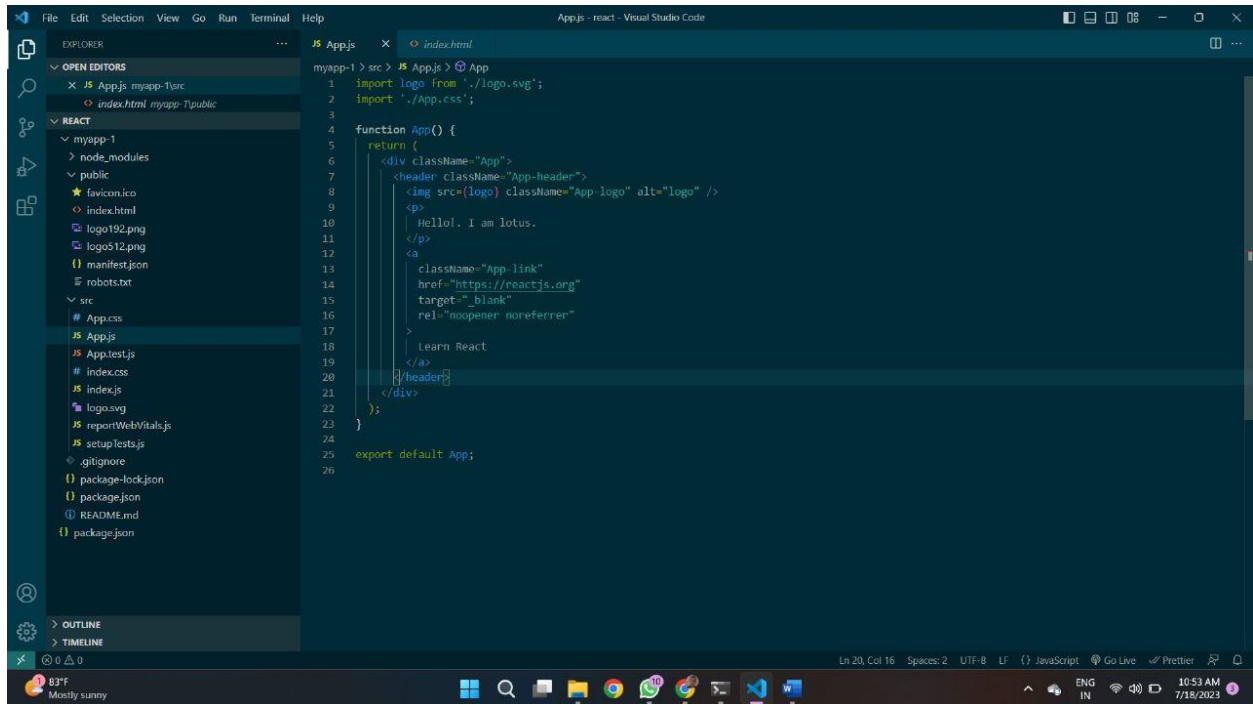
Happy hacking!

C:\Users\91638\OneDrive\Desktop\react>
```

Step-2: Setup the Visual studio code and setup the React application in VS code.



## Step-3: Create the Home Page of the application.



The screenshot shows the Visual Studio Code editor with a React application. The Explorer panel on the left shows the file structure, including the 'src' directory with files like 'App.css', 'App.js', 'App.test.js', 'index.css', 'index.js', 'logo.svg', 'reportWebVitals.js', 'setupTests.js', '.gitignore', 'package-lock.json', 'package.json', and 'README.md'. The main editor area displays the 'index.html' file with the following code:

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8" />
5     <title>React App</title>
6   </head>
7   <body>
8     <div id="root"></div>
9   </body>
10 </html>
```

The code defines a function `App` that returns a JSX element. The JSX element consists of a `div` with `className="App"`, containing a `header` with `className="App-header"`. Inside the header, there is an `img` tag with `src={logo}` and `className="App-logo"`, followed by the text "Hello! I am lotus." and a link with `className="App-link"` pointing to "https://reactjs.org". The `App` function is exported as the default export.

## Step-4: Run the application in the browser.

