How can you create a website in react js with Bootstrap ?

First of all download nodejs from

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

after downloading you will see setup file click on it will install nodejs.

After it open your command prompt And in your command prompt type

command:-

npx create-react-app my-app

see following examples in command prompt as shown below :-

```
D:\reacttest>npx create-react-app my-app

Creating a new React app in D:\reacttest\my-app.

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


added 1494 packages in 2m
```

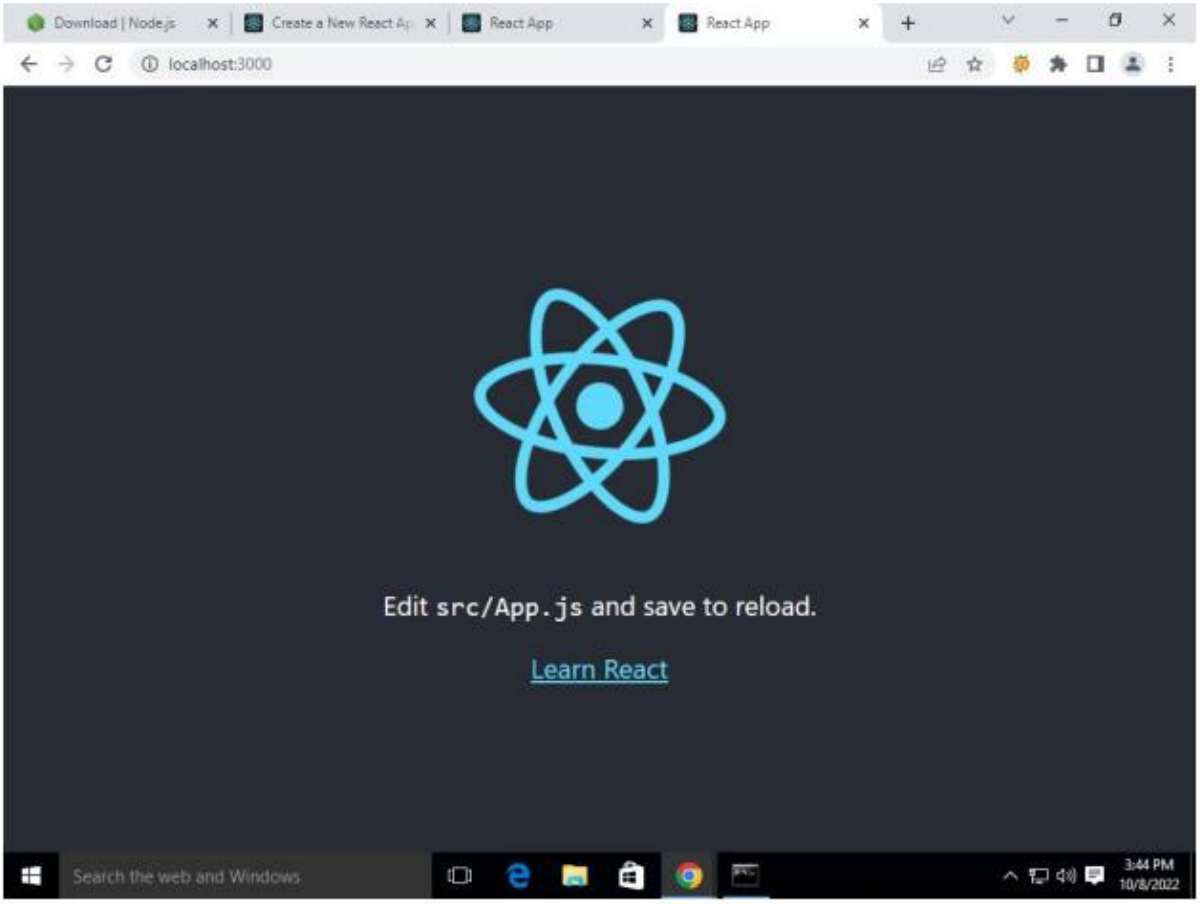
After successful installation at end you will see following

```
Success! Created my-app at D:\reacttest\my-app
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 my-app
  npm start

Happy hacking!
npm notice
npm notice New major version of npm available! 9.7.2 -> 10.5.2
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.5.2
npm notice Run npm install -g npm@10.5.2 to update!
npm notice
```

After it run project folder :-

```
D:\reacttest>Cd my-app

D:\reacttest\my-app>npm start

> my-app@0.1.0 start
> react-scripts start
```

After it Open your browser and type http://localhost:3000/ you will see default output :-



React Router:-

Create React App doesn't include page routing.

React Router is the most popular solution.

Add React Router To add React Router in your application, run this in the terminal from the root directory of the application as shown below:-

```
D:\my-app>npm install -S react-router-dom
```

& install bootstrap using command :-

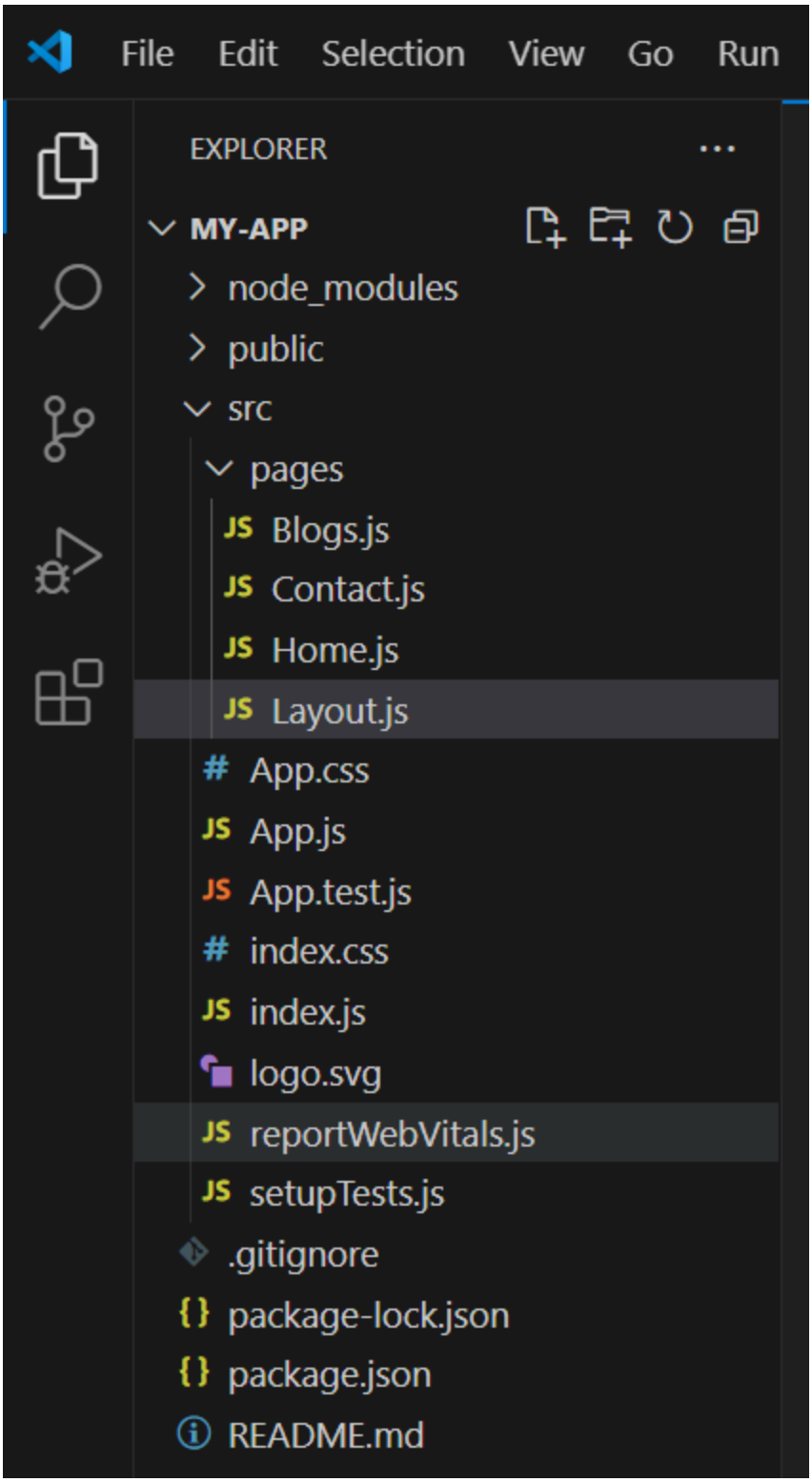
npm install bootstrap

```
D:\reacttest>cd my-app

D:\reacttest\my-app>npm install bootstrap

added 2 packages, and audited 1566 packages in 7s
```

Folder Structure:-

To create an application with multiple page routes , let's first start with the file structure.

Note :- Within the src folder of your my-app , we'll create a folder named pages with several files Blogs.js , Contact.js , Home.js , Layout.js as shown below : -



Layout.js file code:-

```
import { Outlet, Link } from "react-router-dom";
const Layout = () => {
return (
<>
<nav>
<ul className="nav nav-tabs">
<li className="nav-item">
<Link to="/" className="nav-link">Home</Link>
</li>
<li className="nav-item">
<Link to="/blogs" className="nav-link">Blogs</Link>
</li>
<li className="nav-item">
<Link to="/contact" className="nav-link">Contact</Link>
</li>
</ul>
</nav>
<Outlet />
</>
)
};
export default Layout;
```

Home.js file code:-

```
const Home = () => {
    return <h1>Home</h1>;
    };
    export default Home;
```

Blogs.js file code :-

```
const Blogs = () => {
    return <h1>Blog Articles</h1>;
    };
    export default Blogs;
```

Contact.js file code:-

```
const Contact = () => {
    return <h1>Contact Me</h1>;
    };
```

```
    export default Contact;
```

App.js file code :-

```
import logo from './logo.svg';
import './App.css';
import { BrowserRouter, Routes, Route } from "react-router-dom";
import Layout from "./pages/Layout";
import Home from "./pages/Home";
import Blogs from "./pages/Blogs";
import Contact from "./pages/Contact";
import 'bootstrap/dist/css/bootstrap.min.css';


function App() {
  return (
    <div className="App">
      <BrowserRouter>
<Routes>
<Route path="/" element={<Layout />}>
<Route index element={<Home />} />
<Route path="blogs" element={<Blogs />} />
<Route path="contact" element={<Contact />} />

</Route>
</Routes>
</BrowserRouter>
    </div>
  );
}

export default App;
```

index.js file code:-

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import './index.css';
import App from './App';
import reportWebVitals from './reportWebVitals';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
```

```
  <React.StrictMode>
    <App />
  </React.StrictMode>
);

// If you want to start measuring performance in your app, pass a function
// to log results (for example: reportWebVitals(console.log))
// or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
reportWebVitals();
```

finally you will see output:-