

How to create a website in React JS?

Step 1:- 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 in windows

And in your command prompt type command:-

```
npx create-react-app portfolio
```

see following examples in command prompt in windows as shown below :-

```
PS D:\> npx create-react-app portfolio

Creating a new React app in D:\portfolio.

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

And after installation

Step 2:- in windows cmd type following commands

```
D:\> cd portfolio
D:\portfolio> npm start
```

React Router:-

Create React App doesn't include page routing.

React Router is the most popular solution.

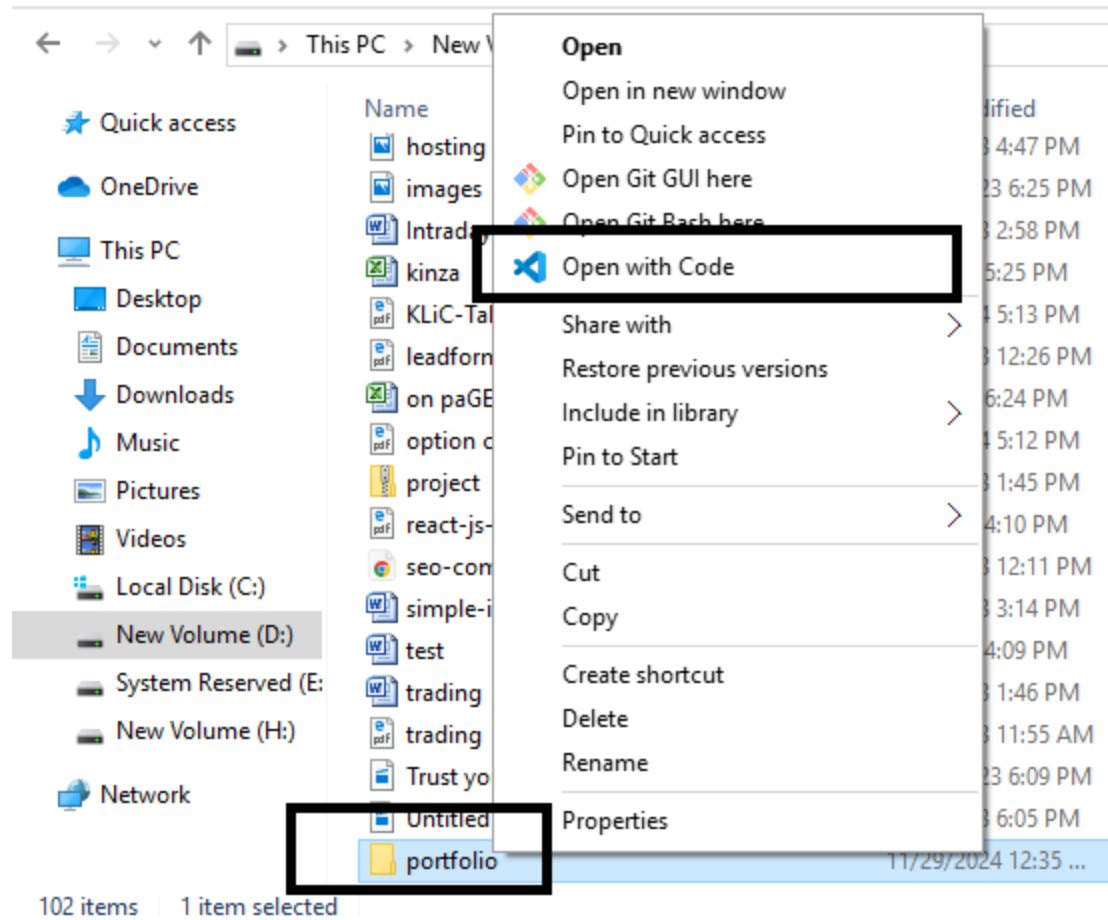
Add React Router To add React Router in your application, run this in the terminal from the root directory of the application as shown below:-

```
npm i -D react-router-dom@latest
```

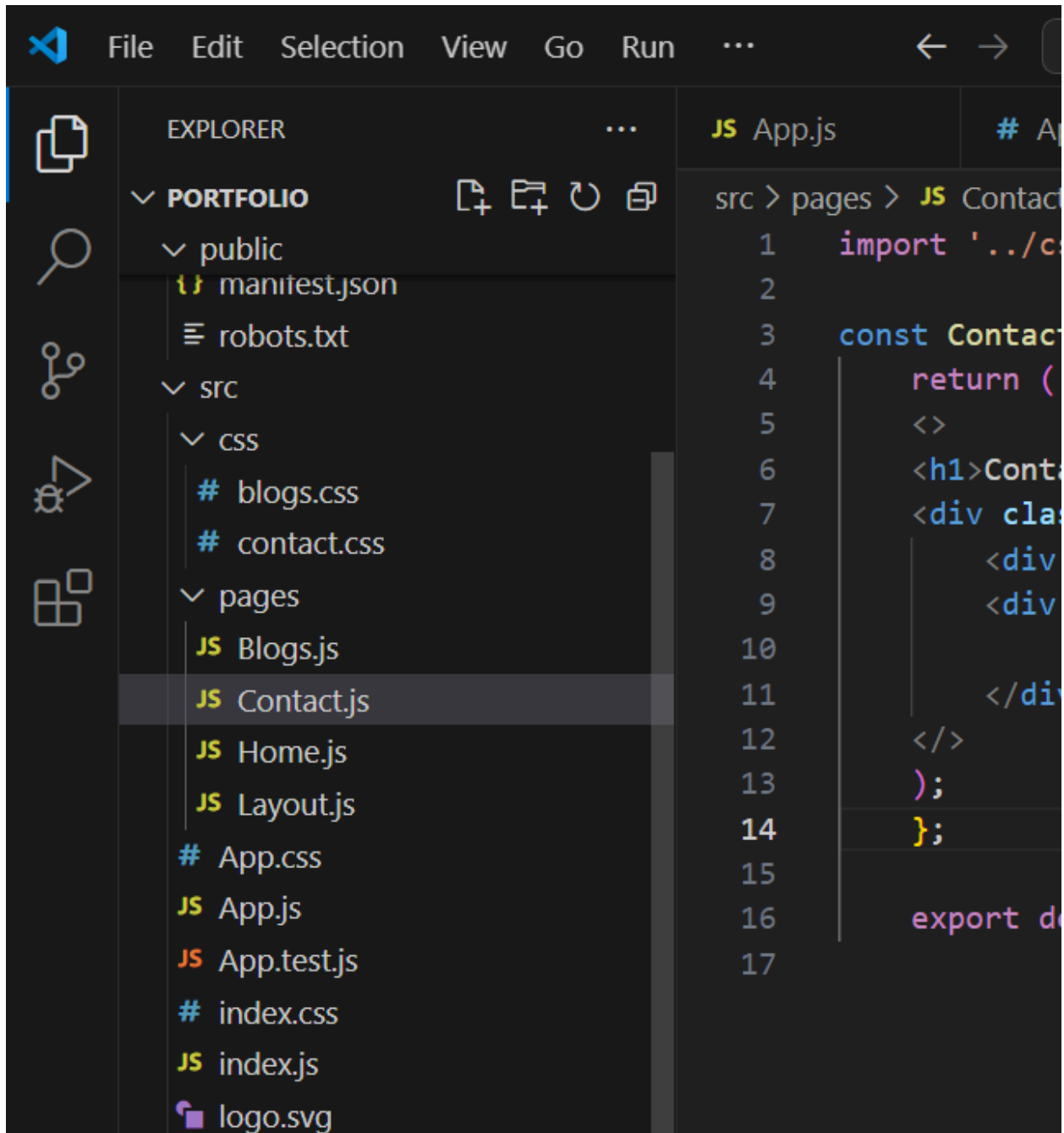
& install bootstrap using command :-

```
npm install bootstrap
```

Step 3:- Open portfolio folder in visual studio code as shown below



After it you will see following structure in visual code



The image shows a screenshot of the Visual Studio Code interface. On the left, the Explorer sidebar displays a project structure under the name 'PORTFOLIO'. The structure includes a 'public' folder with 'manifest.json' and 'robots.txt', and a 'src' folder containing 'css' and 'pages' subfolders. The 'pages' folder contains several JavaScript files: 'Blogs.js', 'Contact.js' (which is highlighted), 'Home.js', and 'Layout.js'. Below these are 'App.css', 'App.js', 'App.test.js', 'index.css', 'index.js', and 'logo.svg'. On the right, the code editor shows the content of 'App.js' at the path 'src > pages > JS Contact.js'. The code includes an import statement, a constant declaration for 'Contact', a return statement with HTML elements like '<h1>Cont' and '<div clas', and an export declaration.

```
File Edit Selection View Go Run ...
EXPLORER
PORTFOLIO
  public
    manifest.json
    robots.txt
  src
    css
      # blogs.css
      # contact.css
    pages
      JS Blogs.js
      JS Contact.js
      JS Home.js
      JS Layout.js
      # App.css
      JS App.js
      JS App.test.js
      # index.css
      JS index.js
      logo.svg

JS App.js
src > pages > JS Contact.js
1 import './c
2
3 const Contact
4 return (
5   <>
6   <h1>Cont
7   <div clas
8     <div
9     <div
10
11   </div
12 </>
13 );
14 };
15
16 export de
17
```

Step 4:- create pages folder inside src folder and write code for Home.js , Contact.js , Blogs.js , Layout.js file

Home.js file code:-

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

Contact.js file code :-

```
import '../css/contact.css';  
  
const Contact = () => {  
  return (  
    <>  
    <h1>Contact Me</h1>  
    <div className="container">  
      <div className="items">itme 1</div>  
      <div className="items">itme 2</div>  
  
    </div>  
  </>  
);  
};  
  
export default Contact;
```

Blogs.js file code:-

```
import './css/blogs.css';

const Blogs = () => {
  return (
    <>
      <h1>Blog page Me</h1>
      <div className="blogcontainer">
        <div className="item">itme 1</div>
        <div className="item">itme 2</div>

      </div>
    </>
  );
};

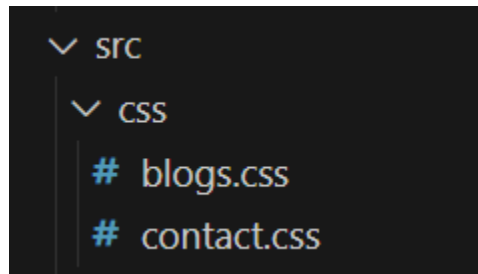
export default Blogs;
```

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;
```

and now create css folder inside your src folder and inside css folder create two css file contact.css and blogs.css as shown below :-



contact.css :-

```
.container{
    display: flex;
    gap:20px;
}
.items{
    flex:1;
    background-color: aquamarine;
}
```

blogs.css :-

```
.blogcontainer{
    display: flex;
    gap:20px;
}
.item{
    flex:1;
    background-color: aqua;
}
```

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;
```

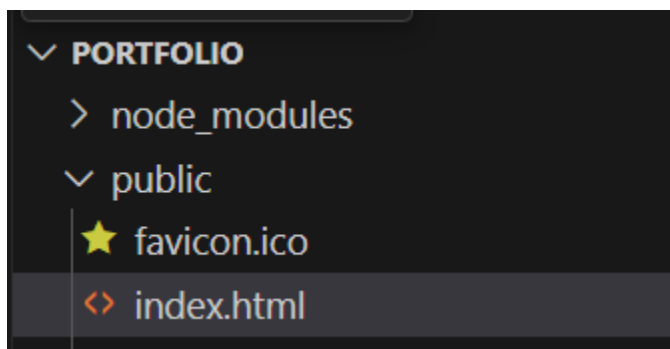
index.js file code:-

```
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();
```

index.html file code:-



```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
```

```
<meta name="theme-color" content="#000000" />
<meta
  name="description"
  content="Web site created using create-react-app"
/>
<link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />
<!--
  manifest.json provides metadata used when your web app is installed on a
  user's mobile device or desktop. See
https://developers.google.com/web/fundamentals/web-app-manifest/
-->
<link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
<!--
  Notice the use of %PUBLIC_URL% in the tags above.
  It will be replaced with the URL of the `public` folder during the build.
  Only files inside the `public` folder can be referenced from the HTML.

  Unlike "/favicon.ico" or "favicon.ico", "%PUBLIC_URL%/favicon.ico" will
  work correctly both with client-side routing and a non-root public URL.
  Learn how to configure a non-root public URL by running `npm run build`.
-->
<title>React App</title>
</head>
<body>
  <noscript>You need to enable JavaScript to run this app.</noscript>
  <div id="root"></div>
  <!--
    This HTML file is a template.
    If you open it directly in the browser, you will see an empty page.

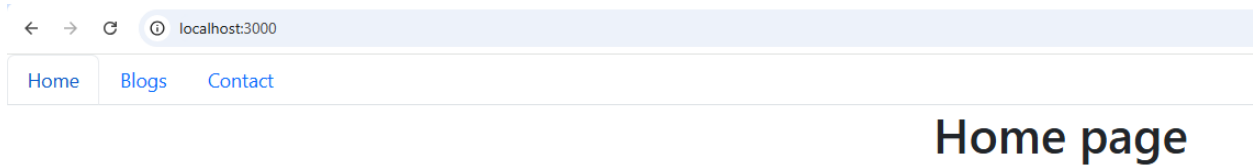
    You can add webfonts, meta tags, or analytics to this file.
    The build step will place the bundled scripts into the <body> tag.

    To begin the development, run `npm start` or `yarn start`.
    To create a production bundle, use `npm run build` or `yarn build`.
  -->
</body>
</html>
```

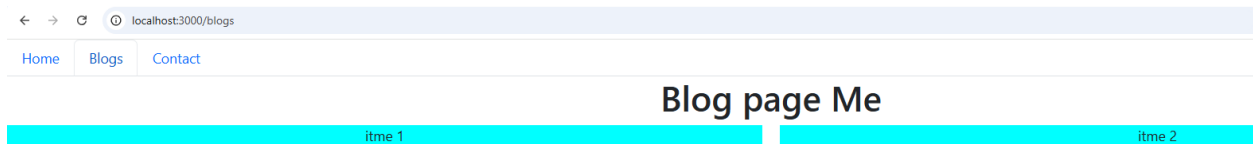
FINALLY RUN YOUR PROJECT FODLER GO to cmd and type following commands

```
D:\> cd portfolio
D:\portfolio> npm start
```

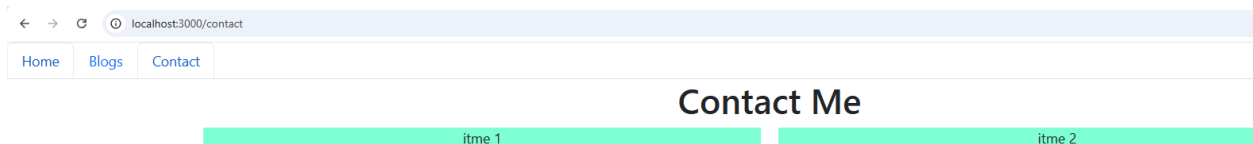
You will see output:-



Click on Blogs to see blogs page output:-



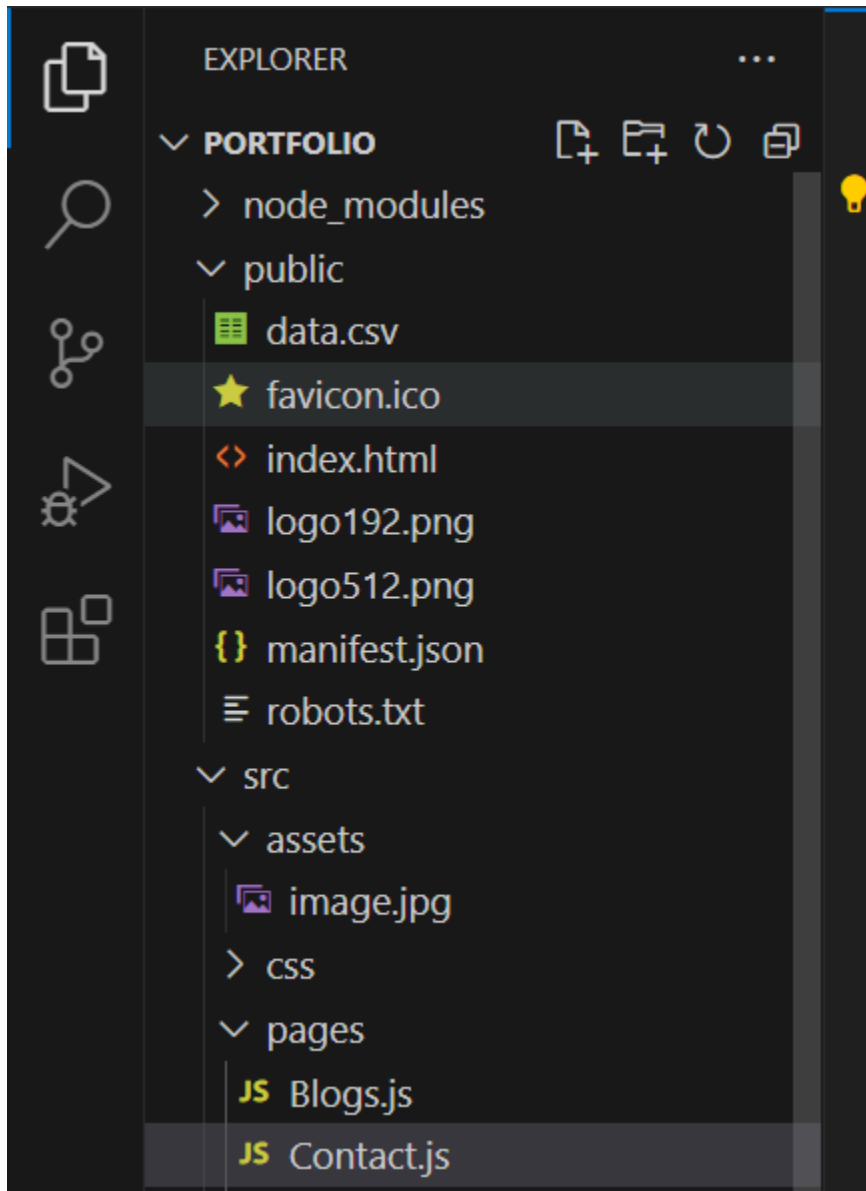
Click on Contact to see Contact page output:-



Now you can add images into your `Contact.js` page :-

Step 1:-

Create assets folder inside your src folder and save image.jpg file as shown below



And import your image add following code

```
import img from '../assets/image.jpg'
```

to your **Contact.js** as shown below :-

```
import '../css/contact.css';
import img from '../assets/image.jpg'

const Contact = () => {
  return (
    <>
    <h1>Contact Me</h1>
    <div className="container">
      <div className="items"><img src={img} /></div>
      <div className="items">itme 2</div>

    </div>
    </>
  );
};

export default Contact;
```

Type

npm start in terminal as shown below :-

```
PS D:\portfolio> npm start
```

Output will be like this:-

<http://localhost:3000/contact>

Contact Me

