

Program Using React JS

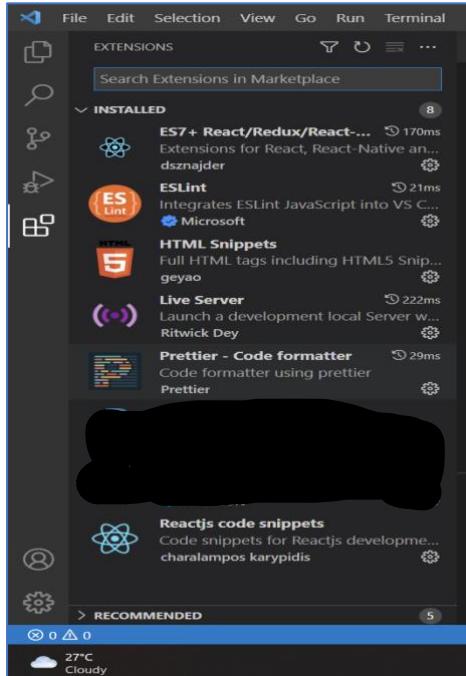
Aim:

To download and install react JS and to perform simple task using reactJS

Steps:

Step1: Download and install VS code

Step2: Select extension tab on left side and download extension like HTML snippets, Live server, ES lint, Reactjs code snippets, Prettier - Code formatter, ES7+ React/Redux/React-Native snippets.



Step3: Download and install nodeJS

Step4: In VS code Terminal, type ‘node’

Step5: Include or update npm and type ‘`npm install -g npm`’ to verify is present or not

Step6: Create a directory by using `mkdir ReactProjects`

Step7: Enter into your folder using `cd ReactProjects`

Step8: To create a ReactJS project using ‘`npx create-react-app samplereact`’

Step9: Again enter into folder cd samplereact

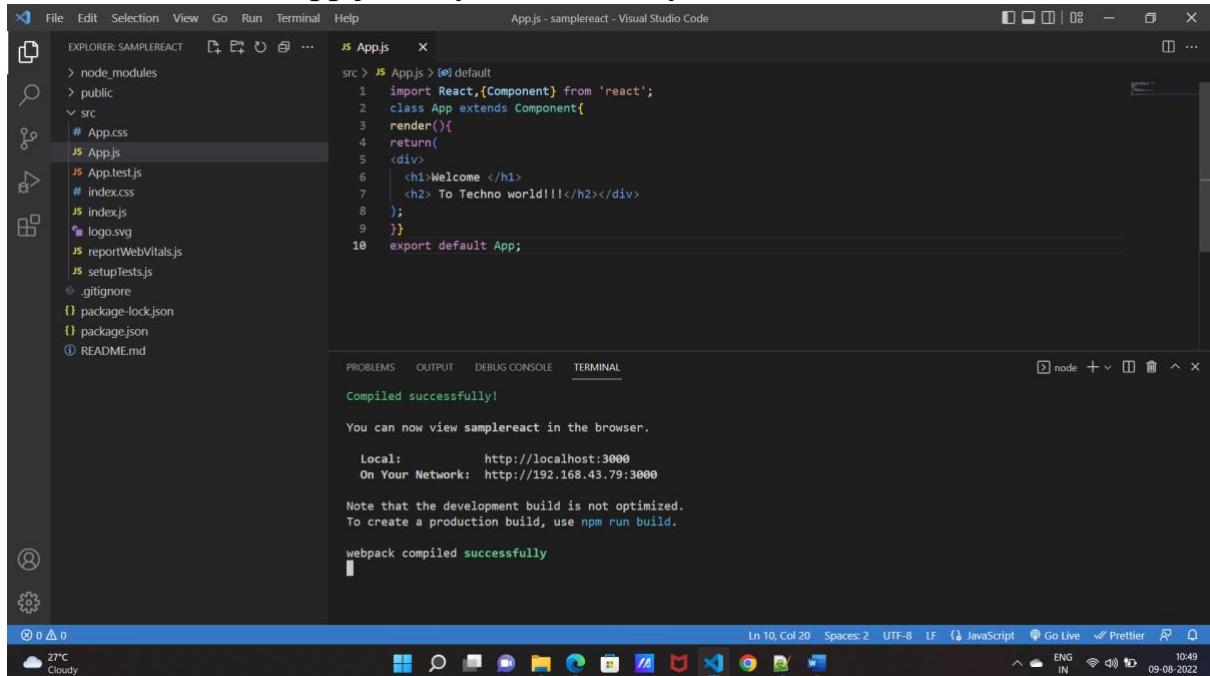
Step10: To start the server using ‘npm start’

The screenshot shows a Windows desktop environment with Visual Studio Code open. The title bar reads "ReactProjects - Visual Studio Code". The left sidebar has icons for file operations like Open, Save, Find, and others. The main area has a large dark "X" logo. Below it, the terminal tab is active, showing the following text:

```
and scripts into the app directory. If you do this, you can't go back!  
We suggest that you begin by typing:  
  
cd samplerreact  
npm start  
  
Happy hacking!  
PS C:\Users\Naga Raja\ReactProjects> cd samplerreact  
PS C:\Users\Naga Raja\ReactProjects\samplerreact> npm start  
npm [WARN] config global '--global', '--local' are deprecated. Use '--location=global' instead.  
  
> samplerreact@0.1.0 start  
> react-scripts start
```

The status bar at the bottom shows the date "09-08-2022", battery level "27%", and connectivity icons.

Step11: In vs code open file menu and open folder ReactProject, click SRC in left side and select app.js and you can write your code here.



```
File Edit Selection View Go Run Terminal Help
EXPLORER: SAMPLEREACT
src > App.js < [0] default
src > App.js > [0] default
1 import React,{Component} from 'react';
2 class App extends Component{
3   render(){
4     return(
5       <div>
6         <h1>Welcome </h1>
7         <h2> To Techno world!!!</h2></div>
8       );
9     }
10   export default App;
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Compiled successfully!

You can now view samplereact in the browser.

Local: http://localhost:3000
On Your Network: http://192.168.43.79:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

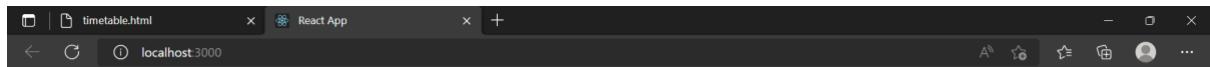
webpack compiled successfully

Ln 10, Col 20 Spaces: 2 UTF-8 LF ↴ JavaScript ⚡ Go Live ✅ Prettier ⌂ 10:49 ENG IN 09-08-2022

Program:

```
import React,{Component} from 'react';
class App extends Component{
render(){
return(
<div>
<h1>Welcome </h1>
<h2> To techno world!!!</h2>
</div>
);
}
export default App;
```

Output:



Welcome

To Techno world!!!



Login Page Using ReactJS

Aim:

To create a login page using ReactJS.

Coding:

---Copy the following code in App.js file ---

```
import './App.css';
function call(){
    var name=document.getElementById("uname");
    var pswd=document.getElementById("psw");

    alert("USERNAME="+name.value+"\nPassword="+pswd.value);

}
function App() {
    return (
        <body>
            <div>
                <form>
                    <center><h3>Login</h3></center>
                    <label>Username:</label>
                    <input type="text" id="uname"></input><br/><br/>

                    <label>Password:</label>
                    <input type="password" id="psw"></input><br/><br/>

                    <center><input type="Submit" value="submit" onClick={call}></center>
                </form>
            </div>
        </body>
    );
}

export default App;
```

---Copy the following code in App.css file ---

```
body{  
    margin-top:100px;  
    display:flex;  
    justify-content:center;  
}  
div{  
    margin:auto;  
    display:flex;  
    align-items:center;  
    justify-content:center;  
}  
form{  
    padding:30px;  
    background-image: linear-gradient(145deg,#F1F645 , #33FFCB,#45BEF6);  
}
```

Output:

