

Program Using React JS

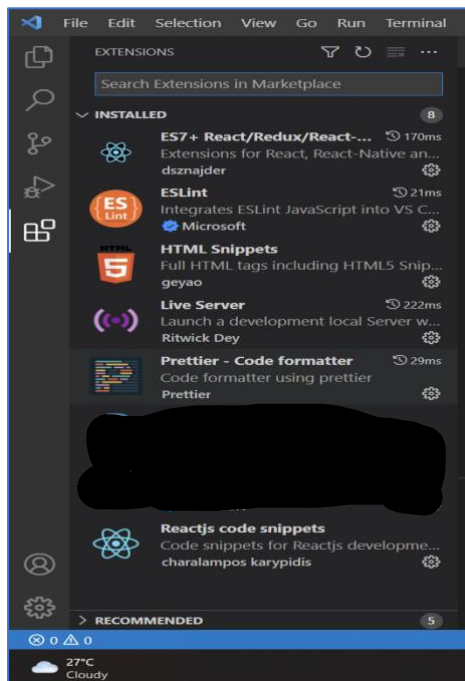
Aim:

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

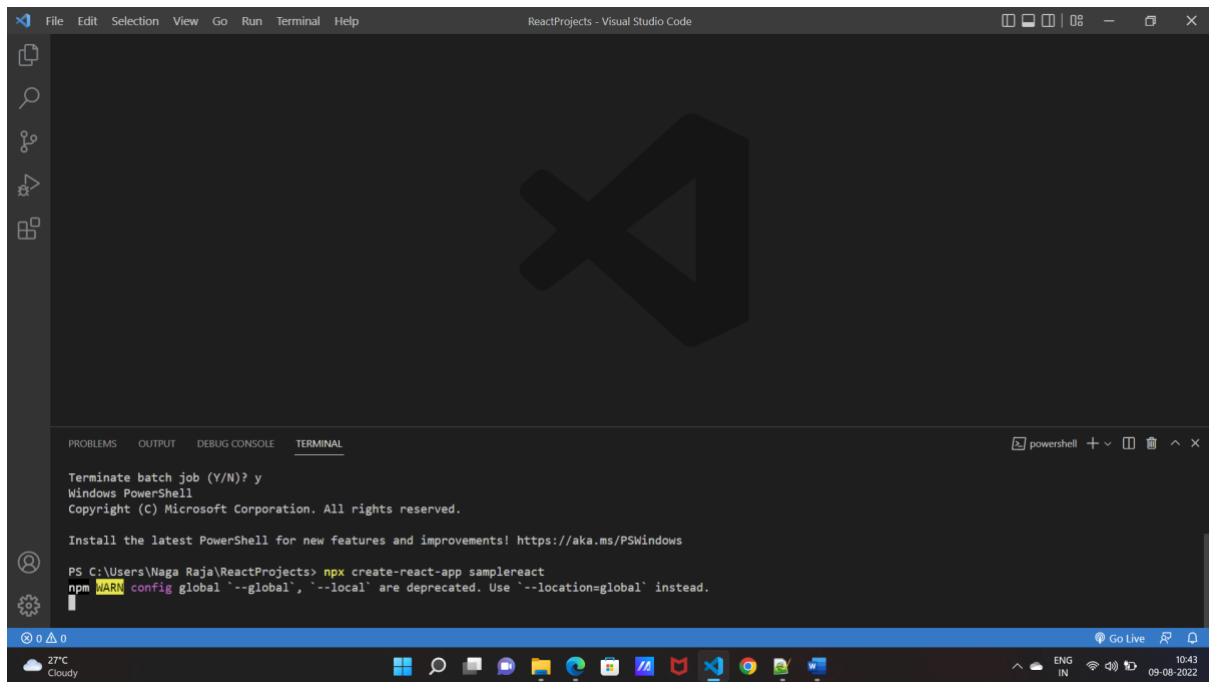
Step4: In VS code Terminal, type 'node'

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`'



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal is running a PowerShell session. The user has just executed the command `npx create-react-app samplereact`. The terminal output shows a warning about deprecated flags and a prompt to install the latest PowerShell. The user has responded with 'y' to the prompt.

```
PS C:\Users\Naga Raja\ReactProjects> npx create-react-app samplereact
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.

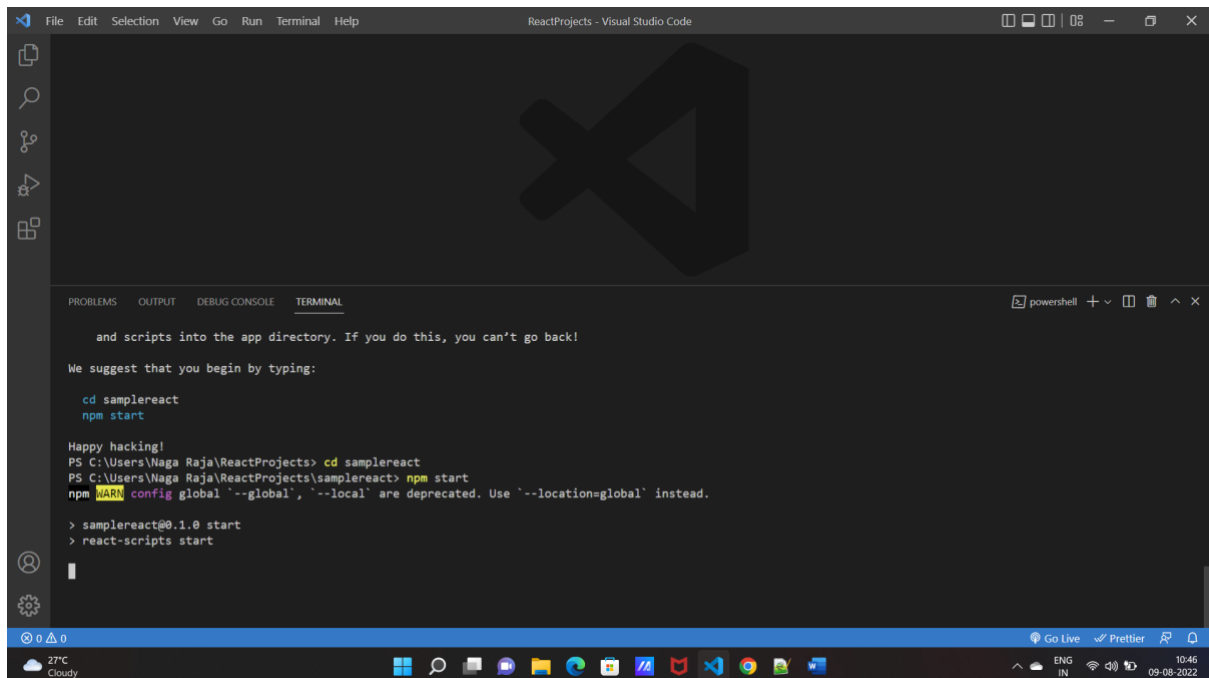
Terminate batch job (Y/N)? y
Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Naga Raja\ReactProjects>
```

Step9: Again enter into folder `cd samplereact`

Step10: To start the server using `'npm start'`



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal is running a PowerShell session. The user has navigated to the 'samplereact' folder using `cd samplereact` and then executed `npm start`. The terminal output shows instructions on how to start the application and the command to run.

```
and scripts into the app directory. If you do this, you can't go back!

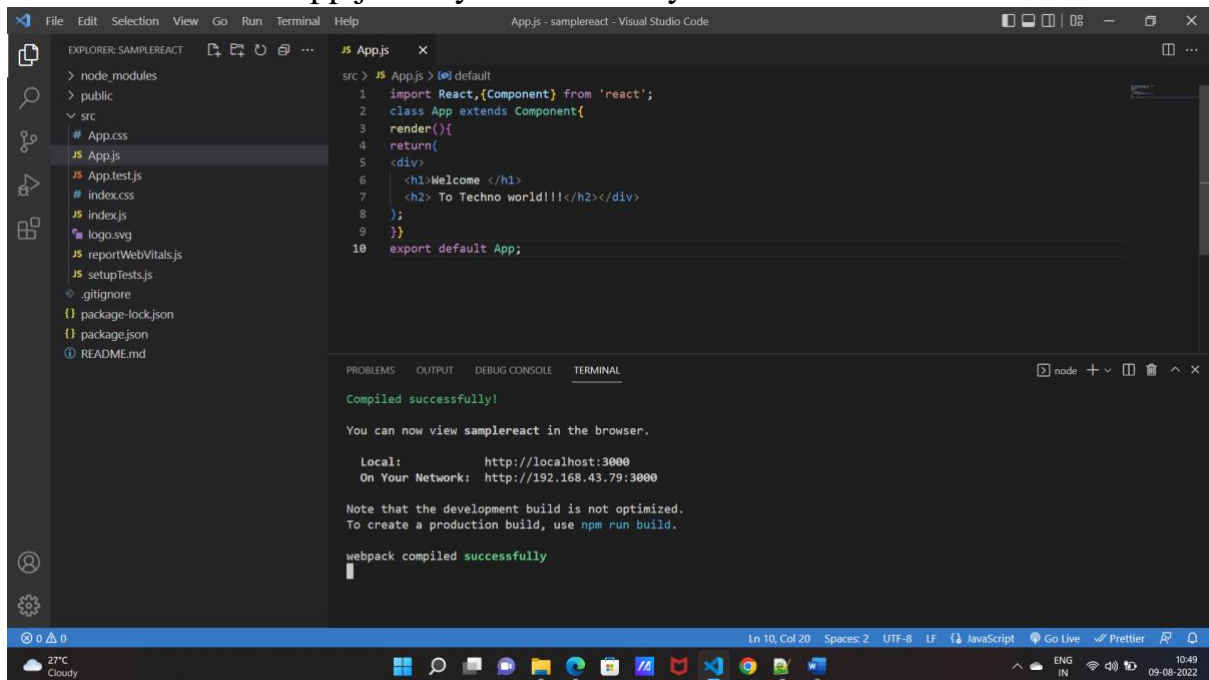
We suggest that you begin by typing:

  cd samplereact
  npm start

Happy hacking!
PS C:\Users\Naga Raja\ReactProjects> cd samplereact
PS C:\Users\Naga Raja\ReactProjects\samplereact> npm start
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.

> samplereact@0.1.0 start
> react-scripts start
```

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.



```
src > JS App.js > 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

node + - - - - -

Compiled successfully!

You can now view sampiereact in the browser.

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

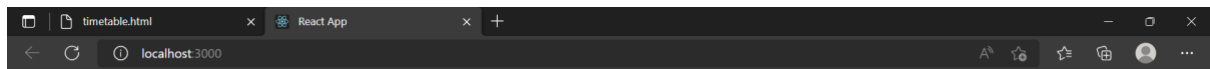
Note that the development build is not optimized.
To create a production build, use `npm run build`.

webpack compiled successfully

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:

