

Props:-

What is Props

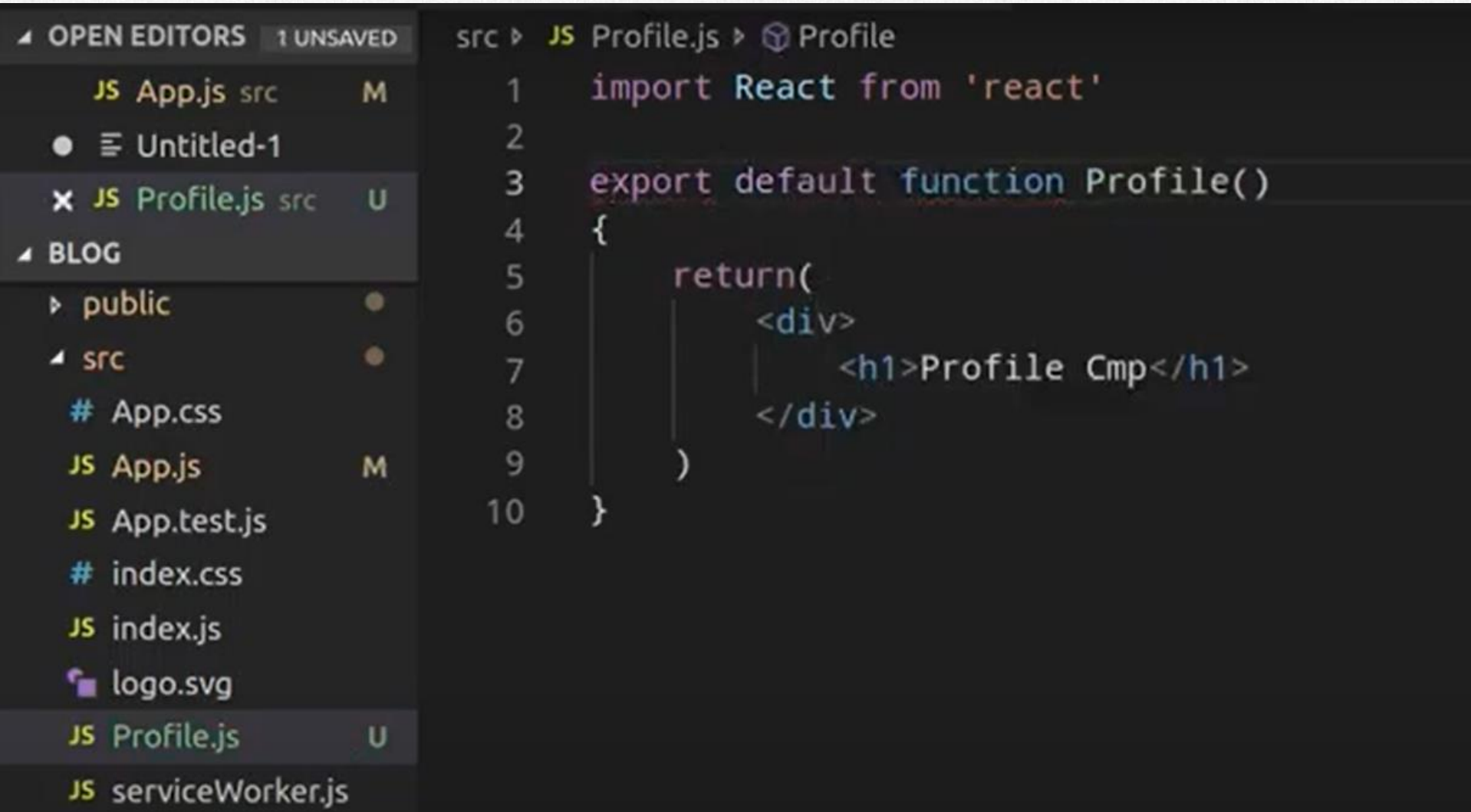
Why Use Props

Props with Function Component

Props with Class Component

I

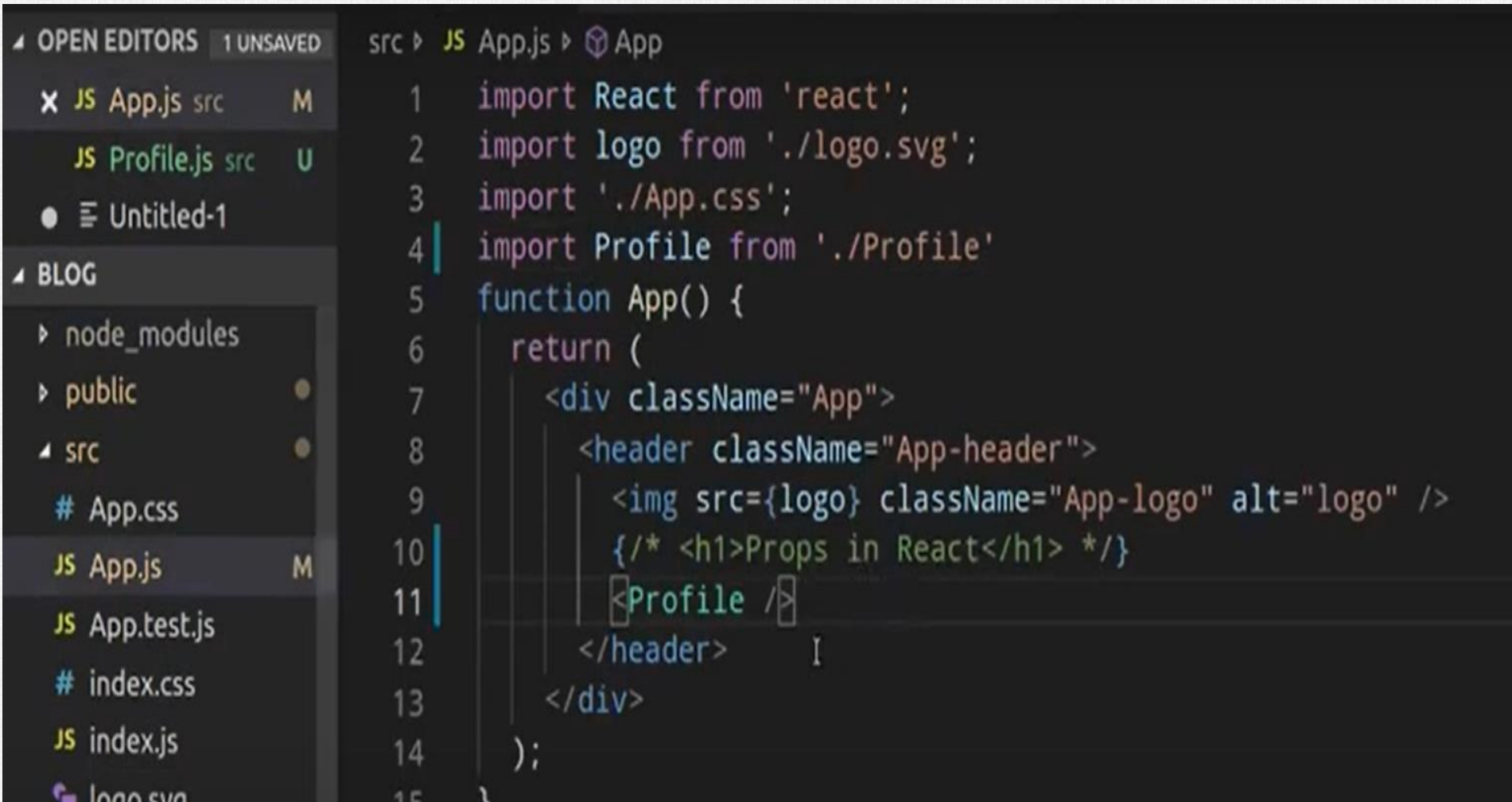
Create a Profile.js Component



The image shows a VS Code editor interface with a dark theme. On the left, the 'EXPLORER' sidebar is visible, showing a file tree with folders 'public' and 'src'. The 'src' folder is expanded, showing files like 'App.css', 'App.js', 'App.test.js', 'index.css', 'index.js', 'logo.svg', 'Profile.js', and 'serviceWorker.js'. The 'Profile.js' file is selected and marked as 'U' (Untitled). The main editor area shows the code for 'Profile.js', which imports 'React' from 'react' and exports a default function 'Profile()' that returns a JSX element: a div containing an h1 with the text 'Profile Cmp'.

```
src > JS Profile.js > Profile
1  import React from 'react'
2
3  export default function Profile()
4  {
5      return(
6          <div>
7              <h1>Profile Cmp</h1>
8          </div>
9      )
10 }
```

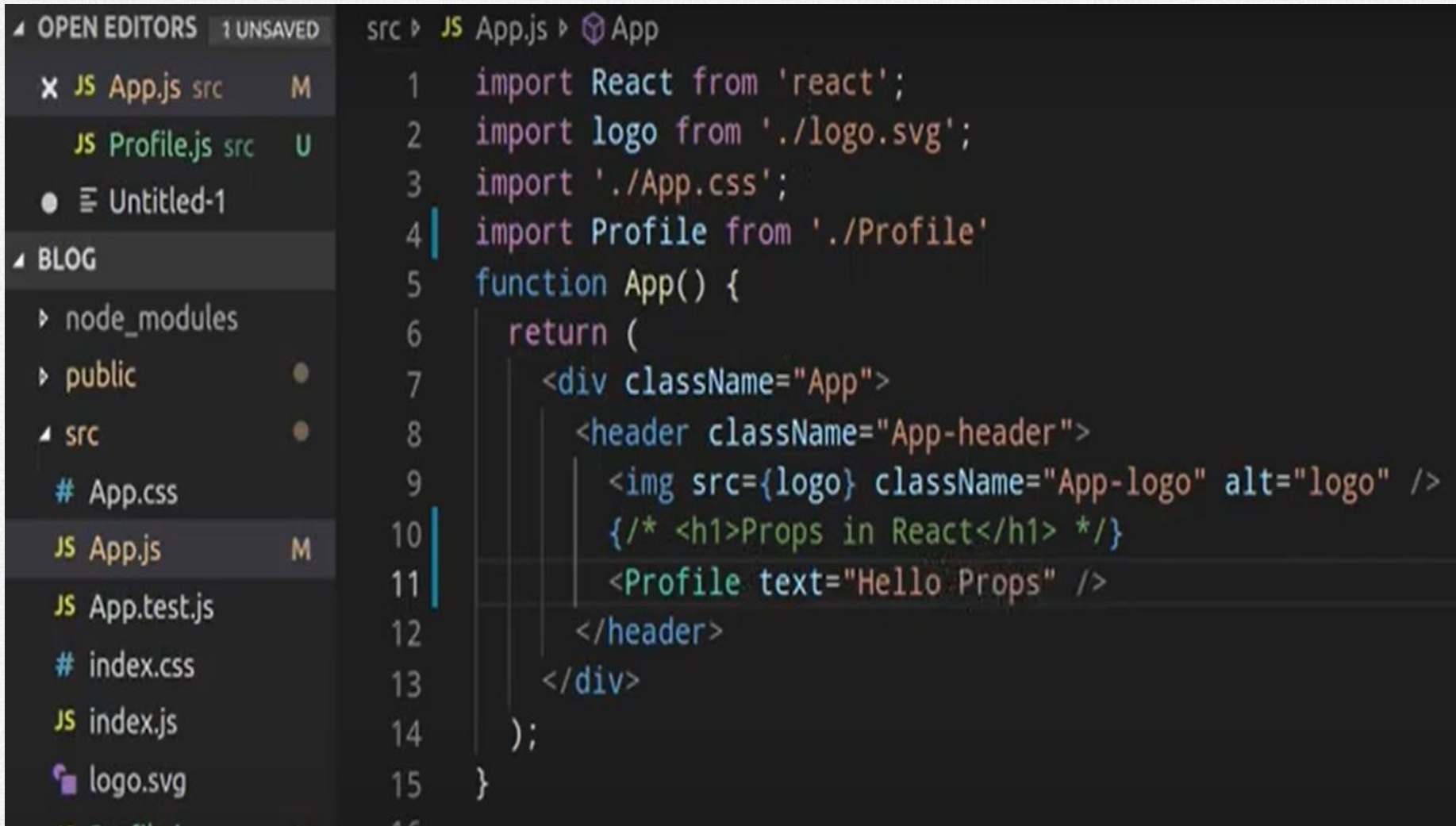
Call the Profile Component:-



The image shows a code editor interface with a sidebar on the left and a main editor area on the right. The sidebar has two sections: 'OPEN EDITORS' and 'BLOG'. The 'OPEN EDITORS' section shows a list of files: 'JS App.js src' (marked with an 'x' and 'M'), 'JS Profile.js src' (marked with a 'U'), and 'Untitled-1'. The 'BLOG' section shows a file tree with 'node_modules', 'public', and 'src'. Under 'src', there are files like 'App.css', 'App.js' (selected), 'App.test.js', 'index.css', 'index.js', and 'logo.svg'. The main editor area shows the code for 'App.js'. The code imports 'React' from 'react', 'logo' from './logo.svg', './App.css', and 'Profile' from './Profile'. It defines a function 'App()' that returns a JSX element. The JSX element has a 'div' with 'className="App"' containing a 'header' with 'className="App-header"'. Inside the header, there is an 'img' with 'src={logo}' and 'className="App-logo"', a comment '/* <h1>Props in React</h1> */', and the 'Profile' component. The code ends with a closing tag for the 'div' and a semicolon.

```
src ▸ JS App.js ▸ App
1  import React from 'react';
2  import logo from './logo.svg';
3  import './App.css';
4  import Profile from './Profile'
5  function App() {
6    return (
7      <div className="App">
8        <header className="App-header">
9          <img src={logo} className="App-logo" alt="logo" />
10         /* <h1>Props in React</h1> */
11         <Profile />
12       </header>
13     </div>
14   );
15 }
```


Pass the data:-



The image shows a code editor interface with a sidebar on the left and a main editor area on the right. The sidebar displays the file explorer with the following structure:

- OPEN EDITORS 1 UNSAVED
 - JS App.js src M
 - JS Profile.js src U
 - Untitled-1
- BLOG
 - node_modules
 - public
 - src
 - App.css
 - App.js M
 - App.test.js
 - index.css
 - index.js
 - logo.svg

The main editor area shows the content of `App.js` with the following code:

```
1 import React from 'react';
2 import logo from './logo.svg';
3 import './App.css';
4 import Profile from './Profile'
5 function App() {
6   return (
7     <div className="App">
8       <header className="App-header">
9         <img src={logo} className="App-logo" alt="logo" />
10        { /* <h1>Props in React</h1> */ }
11        <Profile text="Hello Props" />
12      </header>
13    </div>
14  );
15 }
```

OPEN EDITORS 1 UNSAVED

- JS App.js src M
- ✕ JS Profile.js src U
- ≡ Untitled-1

BLOG

- public ●
- src ●
 - # App.css
 - JS App.js M
 - JS App.test.js
 - # index.css
 - JS index.js
 - 🖼 logo.svg
 - JS Profile.js U
 - JS serviceWorker.js

src ▸ JS Profile.js ▸ 📁 Profile

```
1  import React from 'react'
2
3  export default function Profile(prop)
4  {
5      return(
6          <div>
7              <h1>{prop.text}</h1>
8          </div>
9      )
10 }
```

Pass the Object:-

```
<Profile text={{name: 'peter'}} />
```

```
import React from 'react'

export default function Profile(prop)
{
  return(
    <div>
      <h1>{prop.text.name}</h1>
    </div>
  )
}
```


OPEN EDITORS 1 UNSAVED

X JS App.js src M

JS Profile.js src U

• ≡ Untitled-1

BLOG

▸ node_modules

▸ public •

▸ src •

App.css

JS App.js M

JS App.test.js

index.css

JS index.js

logo.svg

src ▸ JS App.js ▸ App

```
1  import React from 'react';
2  import logo from './logo.svg';
3  import './App.css';
4  import Profile from './Profile'
5  function App() {
6    return (
7      <div className="App">
8        <header className="App-header">
9          <img src={logo} className="App-logo" alt="logo" />
10         </* <h1>Props in React</h1> */>
11         <Profile text={{name:'peter'}} data="Profile Data"/>
12       </header>
13     </div>
14   );
15 }
```

OPEN EDITORS 2 UNSAVED

JS App.js src M

● JS Profile.js src U

● ≡ Untitled-1

BLOG

▸ public ●

▸ src ●

App.css

JS App.js M

JS App.test.js

index.css

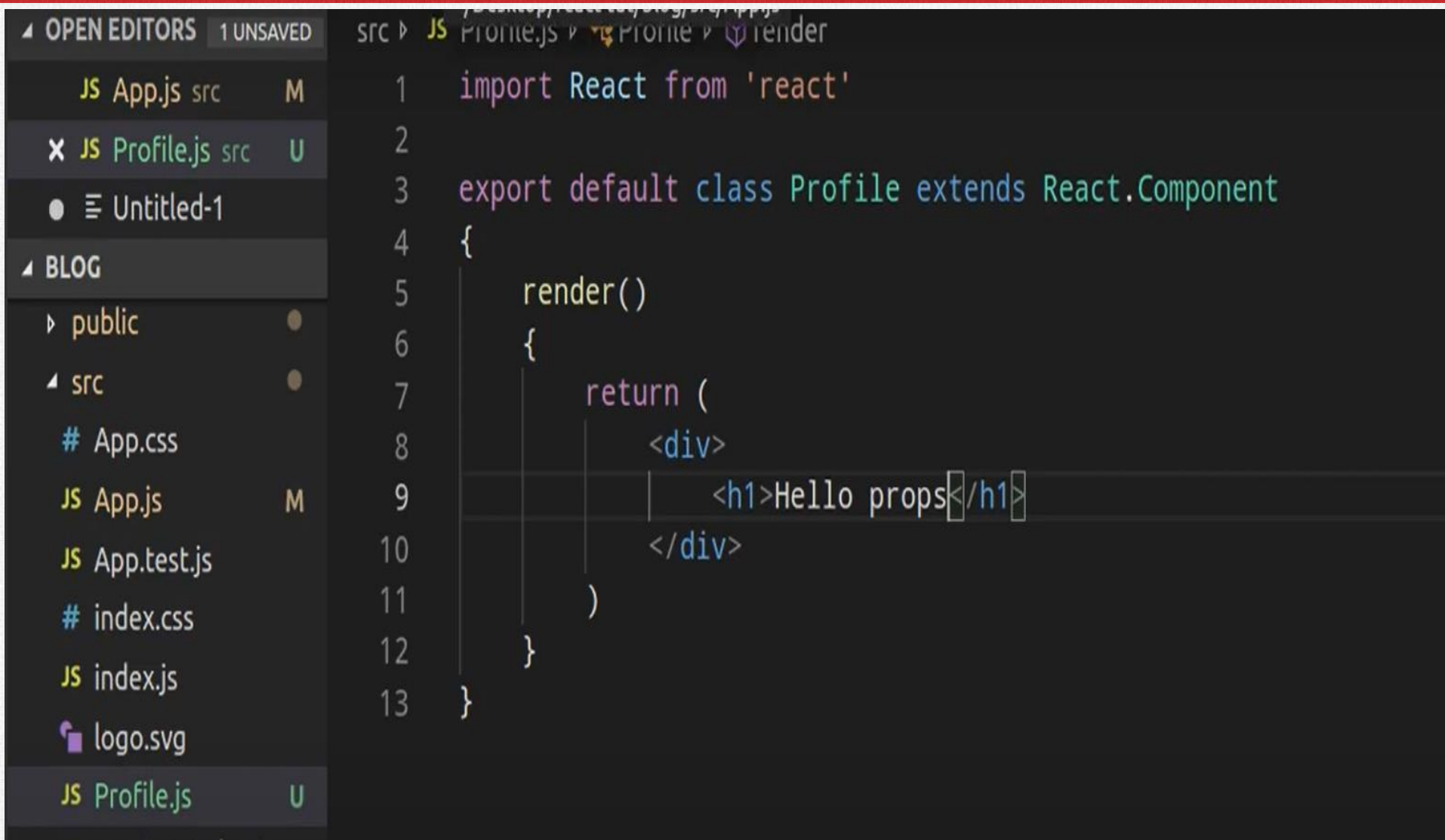
JS index.js

📁 logo.svg

src ▸ JS Profile.js ▸ Profile

```
1  import React from 'react'
2
3  export default function Profile(prop)
4  {
5      return(
6          <div>
7              <h1>{prop.text.name}</h1>
8              <h1>{prop.data.name}</h1>
9          </div>
10     )
11 }
```


Class Component:-



The image shows a code editor with a dark theme. On the left is a sidebar with a file explorer and a 'BLOG' section. The file explorer shows a project structure with 'public' and 'src' folders. The 'src' folder contains 'App.css', 'App.js', 'App.test.js', 'index.css', 'index.js', 'logo.svg', and 'Profile.js'. The 'BLOG' section is currently selected. The main editor area displays the code for 'Profile.js'. The code defines a class component 'Profile' that extends 'React.Component'. It has a 'render()' method that returns a JSX element consisting of a 'div' containing an 'h1' with the text 'Hello props'.

```
src ▸ JS Profile.js ▸ Profile ▸ render
1  import React from 'react'
2
3  export default class Profile extends React.Component
4  {
5      render()
6      {
7          return (
8              <div>
9                  <h1>Hello props</h1>
10             </div>
11          )
12      }
13  }
```

OPEN EDITORS 2 UNSAVED

JS App.js src M

X JS Profile.js src U

● ≡ Untitled-1

BLOG

▸ public ●

▸ src ●

App.css

JS App.js M

JS App.test.js

index.css

JS index.js

logo.svg

JS Profile.js U

src ▸ JS Profile.js ▸ Profile ▸ render

```
1  import React from 'react'
2
3  export default class Profile extends React.Component
4  {
5      render()
6      {
7          return (
8              <div>
9                  <h1>{this.props.data}</h1>
10             </div>
11          )
12      }
13  }
```

▲ OPEN EDITORS 1 UNSAVED

- JS App.js src M
- ✕ JS Profile.js src U
- ≡ Untitled-1

▲ BLOG

- public ●
- ▲ src ●
 - # App.css
 - JS App.js M
 - JS App.test.js
 - # index.css
 - JS index.js
 - 📁 logo.svg
 - JS Profile.js U
 - JS serviceWorker.js

```
src ▸ JS Profile.js ▸ 📁 Profile ▸ 📦 render
1  import React from 'react'
2
3  export default class Profile extends React.Component
4  {
5      render()
6      {
7          return (
8              <div>
9                  <h1>{this.props.data}</h1>
10                 <h1>{this.props.text.name}</h1>
11             </div>
12         )
13     }
14 }
15 }
```


Thanks