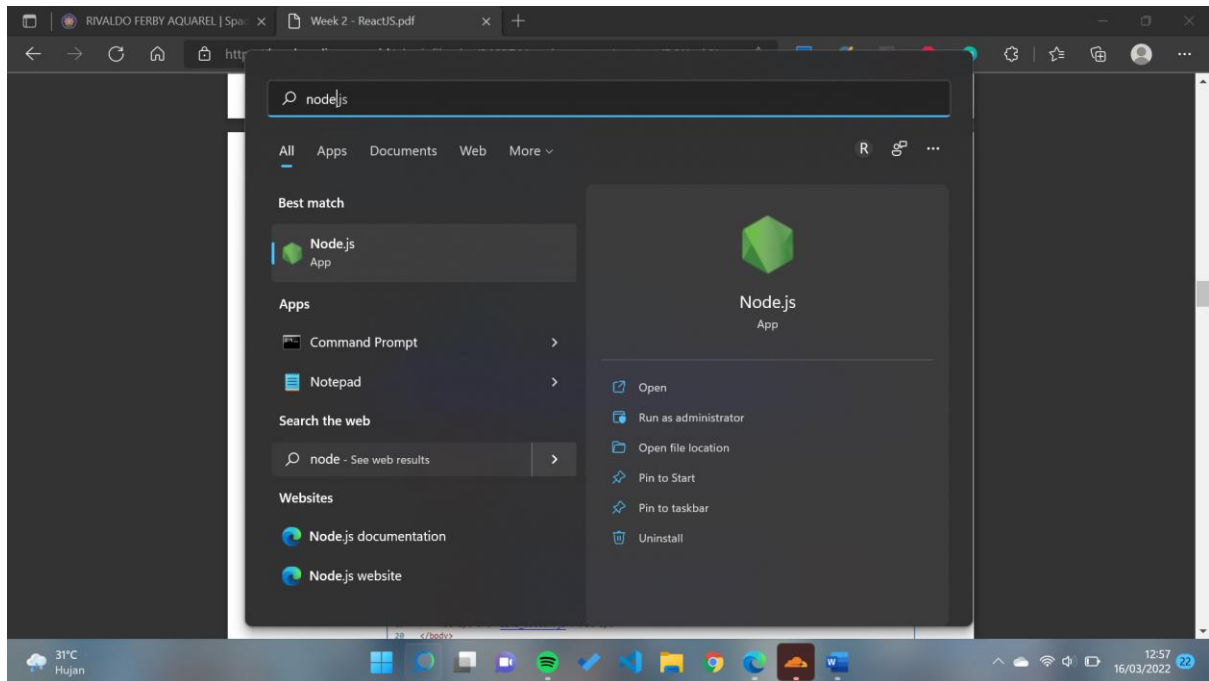# Rivaldo Ferby Aquarel

TI-3H/20

1941720089

Pemrograman Berbasis Framework
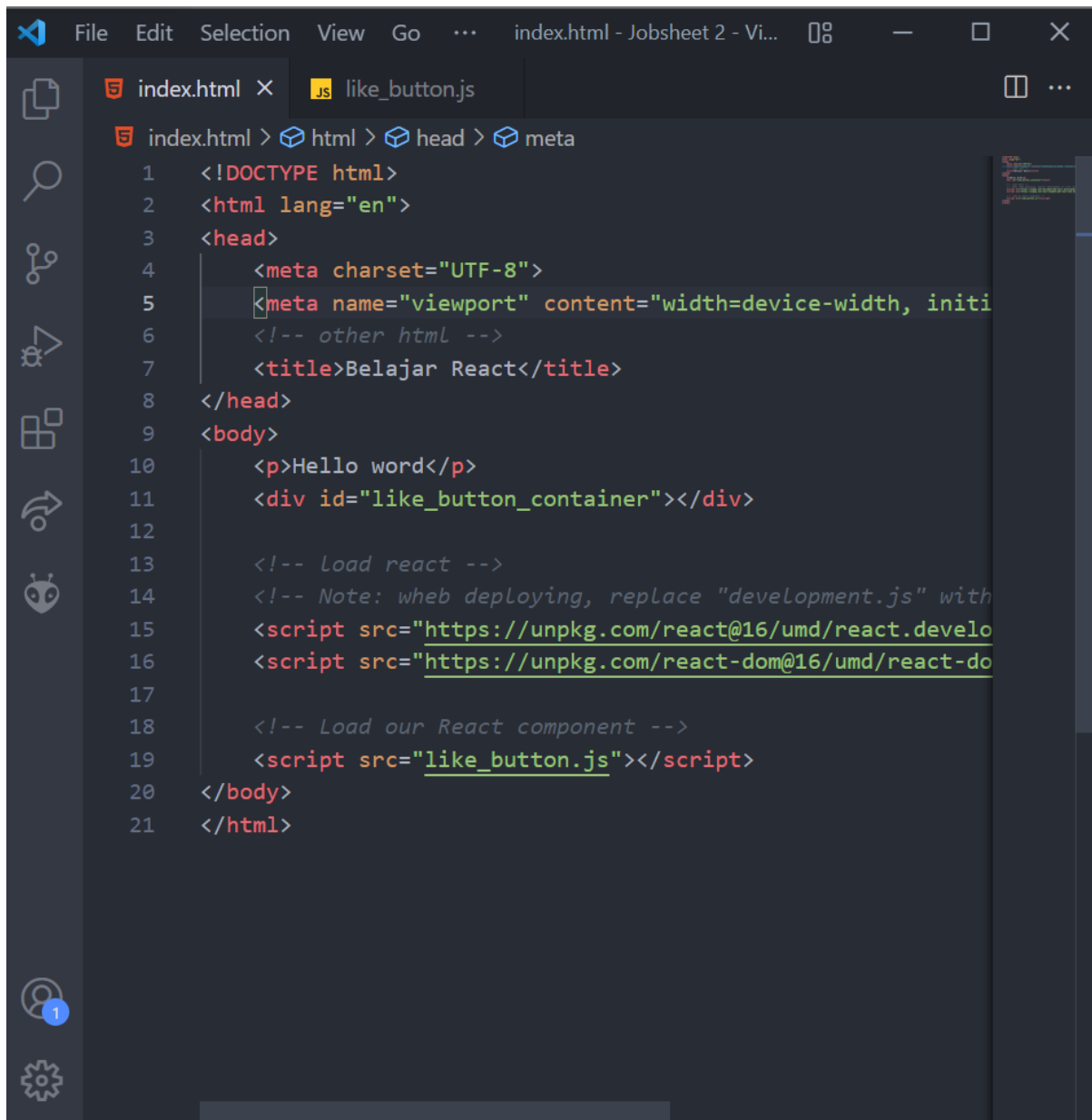
a.

I already install the node js
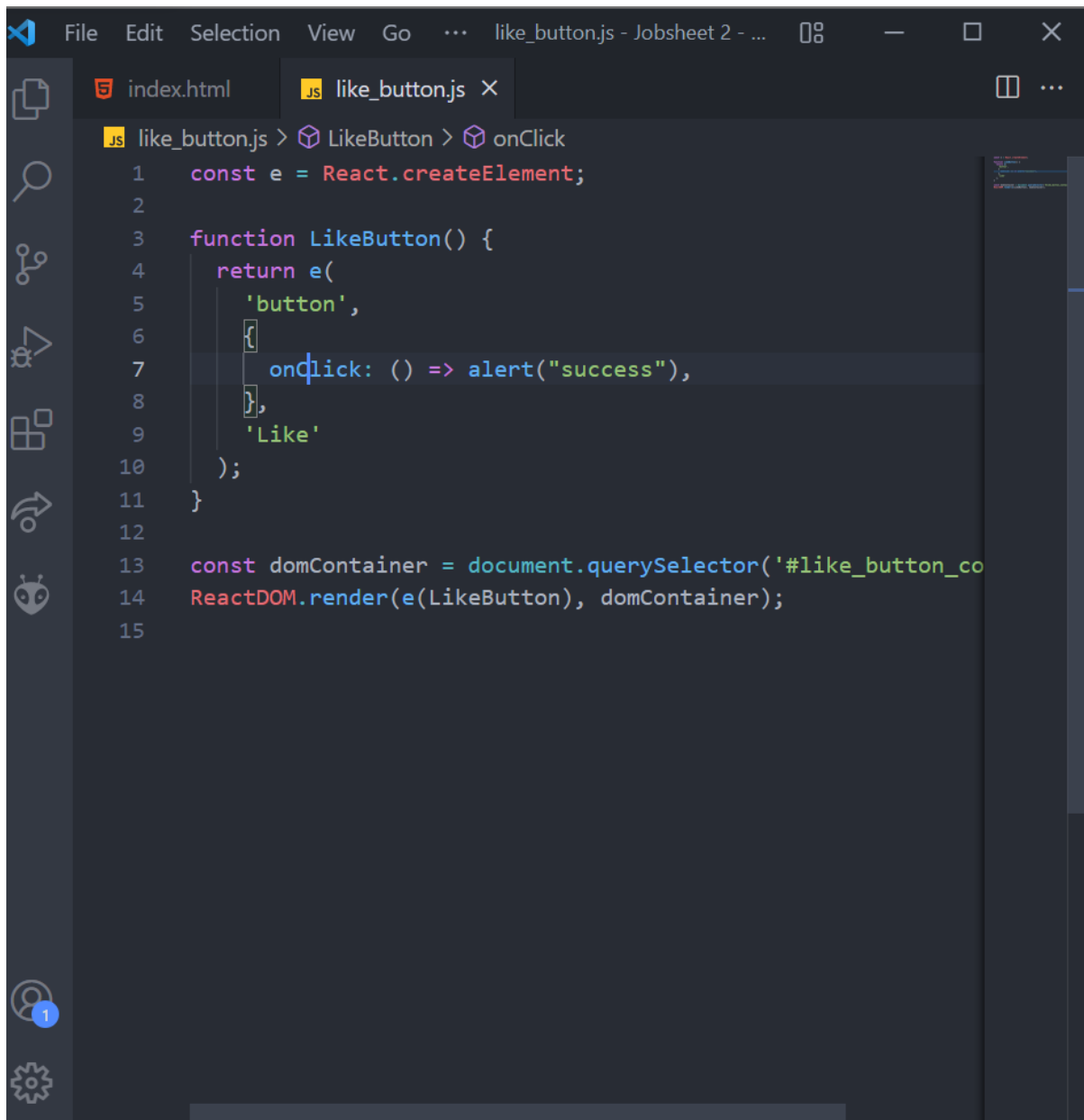

b.

index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initi
    <!-- other html -->
    <title>Belajar React</title>
</head>
<body>
    <p>Hello word</p>
    <div id="like_button_container"></div>

    <!-- Load react -->
    <!-- Note: wheb deploying, replace "development.js" with
    <script src="https://unpkg.com/react@16/umd/react.develo
    <script src="https://unpkg.com/react-dom@16/umd/react-do

    <!-- Load our React component -->
    <script src="like_button.js"></script>
</body>
</html>
```
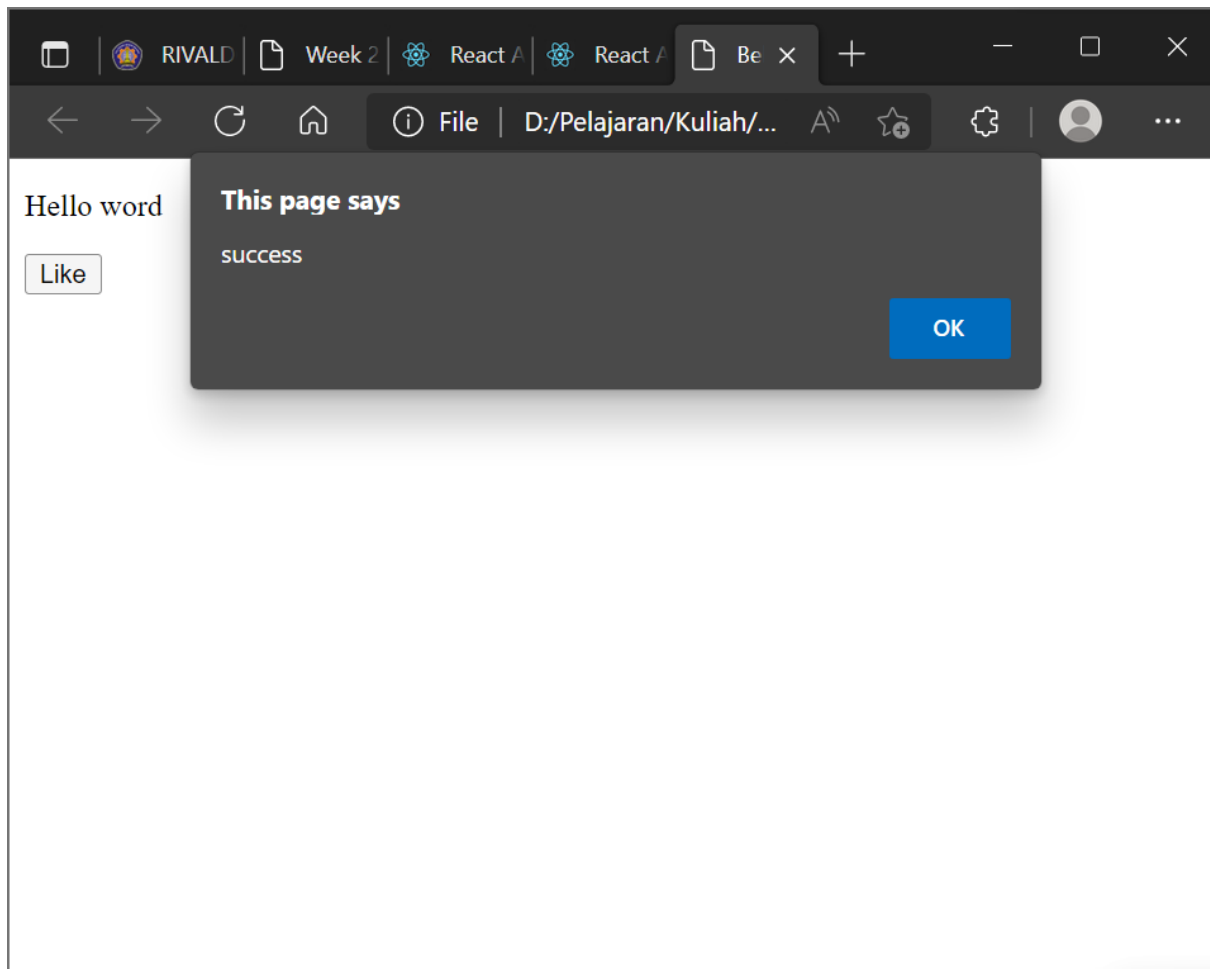
Like_button.js

index.html   like_button.js ✕

like_button.js > LikeButton > onClick

```javascript
const e = React.createElement;

function LikeButton() {
  return e(
    'button',
    {
      onClick: () => alert("success"),
    },
    'Like'
  );
}

const domContainer = document.querySelector('#like_button_co
ReactDOM.render(e(LikeButton), domContainer);
```

c.

```
C:\WINDOWS\system32\cmd.exe                                    —    □    X

Microsoft Windows [Version 10.0.22000.556]
(c) Microsoft Corporation. All rights reserved.

C:\react>npm install -g create-react-app
npm WARN deprecated tar@2.2.2: This version of tar is no longer supported, and will
not receive security updates. Please upgrade asap.

added 67 packages, and audited 68 packages in 3s

4 packages are looking for funding
  run `npm fund` for details

3 high severity vulnerabilities

To address all issues, run:
  npm audit fix

Run `npm audit` for details.

C:\react>create-react-app --version
5.0.0

C:\react>
```

```
C:\WINDOWS\system32\cmd.exe                                    —    □    ✕

C:\react>create-react-app web-reactku

Creating a new React app in C:\react\web-reactku.

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


added 1366 packages in 41s

169 packages are looking for funding
  run `npm fund` for details

Initialized a git repository.

Installing template dependencies using npm...
npm WARN deprecated source-map-resolve@0.6.0: See https://github.com/lydell/source-m
ap-resolve#deprecated

added 38 packages in 4s

169 packages are looking for funding
  run `npm fund` for details
Removing template package using npm...


removed 1 package, and audited 1404 packages in 2s

169 packages are looking for funding
  run `npm fund` for details

6 moderate severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.

Created git commit.
```

```
    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 web-reactku
  npm start

Happy hacking!

C:\react>cd web-reactku

C:\react\web-reactku>npm start

> web-reactku@0.1.0 start
> react-scripts start

(node:15244) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning:
'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' opt
ion.
(Use `node --trace-deprecation ...` to show where the warning was created)
(node:15244) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning:
 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' o
ption.
Starting the development server...
```
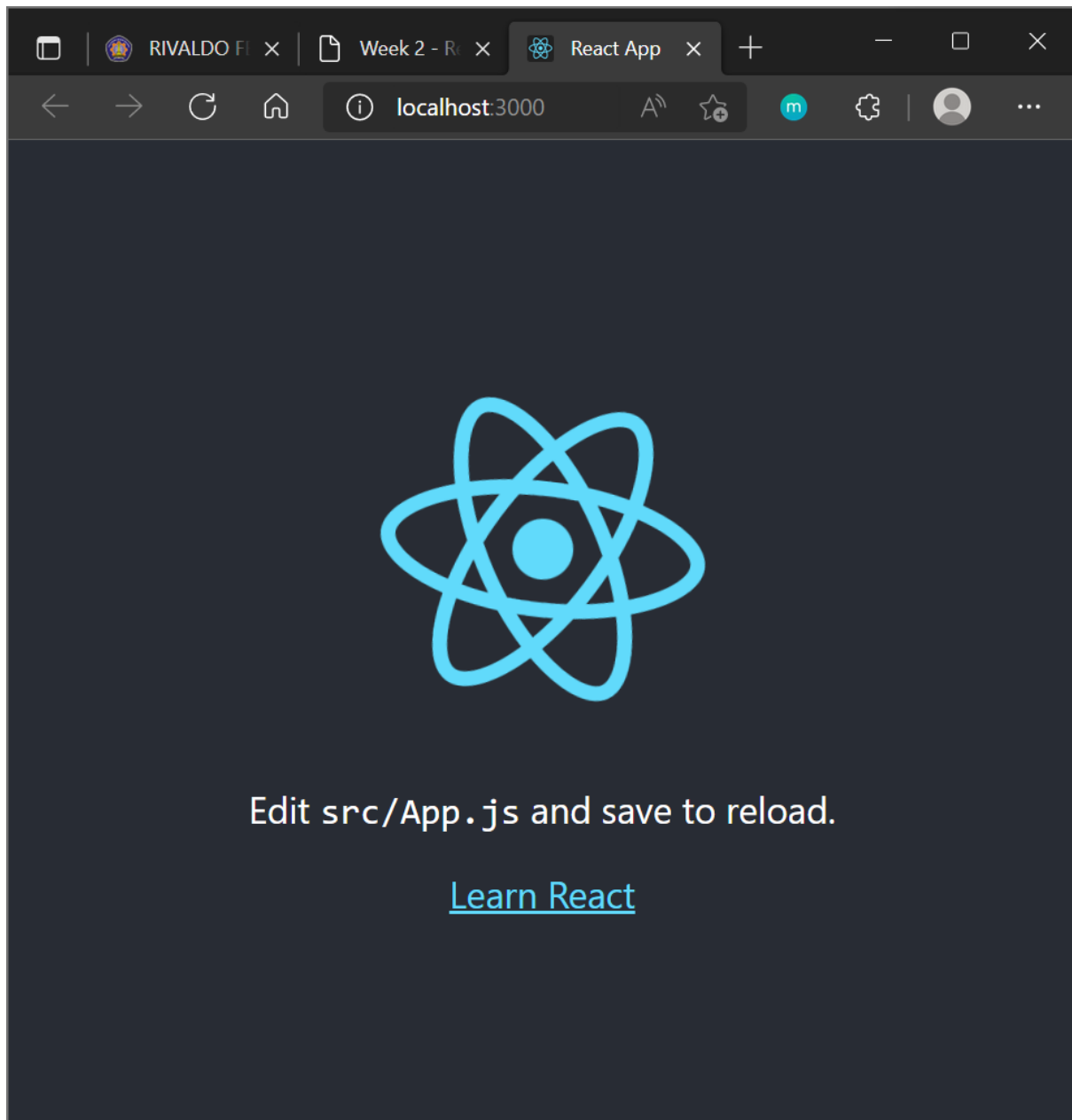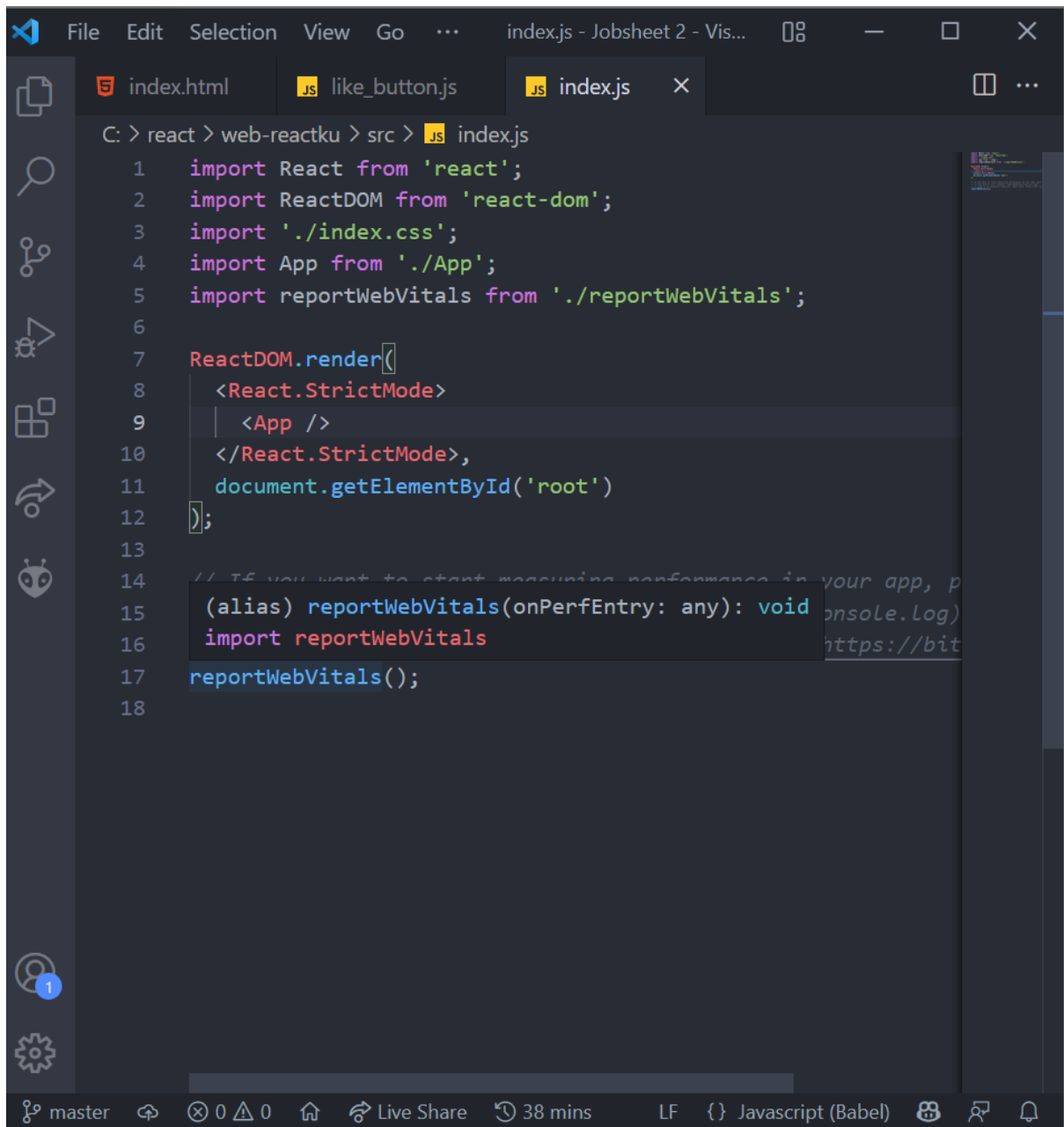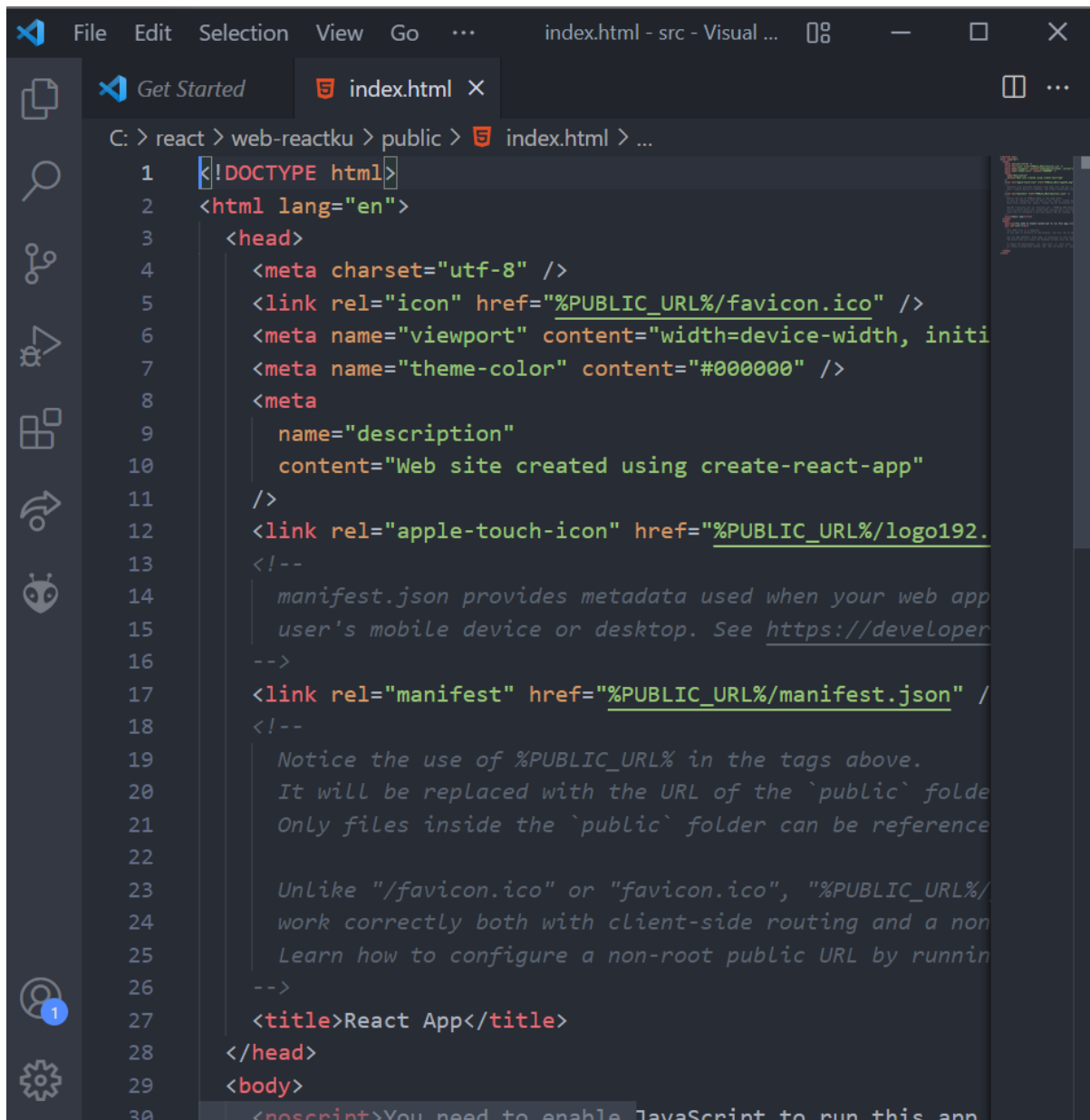
d.

index.js

```
    File  Edit  Selection  View  Go  ···        index.js - Jobsheet 2 - Vis...

    JS index.html        JS like_button.js        JS index.js  ✕

    C: > react > web-reactku > src > JS index.js
      1    import React from 'react';
      2    import ReactDOM from 'react-dom';
      3    import './index.css';
      4    import App from './App';
      5    import reportWebVitals from './reportWebVitals';
      6
      7    ReactDOM.render(
      8      <React.StrictMode>
      9        <App />
     10      </React.StrictMode>,
     11      document.getElementById('root')
     12    );
     13
     14    // If you want to start measuring performance in your app, p
     15      (alias) reportWebVitals(onPerfEntry: any): void   onsole.log)
     16      import reportWebVitals                            https://bit
     17    reportWebVitals();
     18

    master      ⊗ 0 ⚠ 0   ⌂   📡 Live Share   🕘 38 mins      LF   {} Javascript (Babel)
```
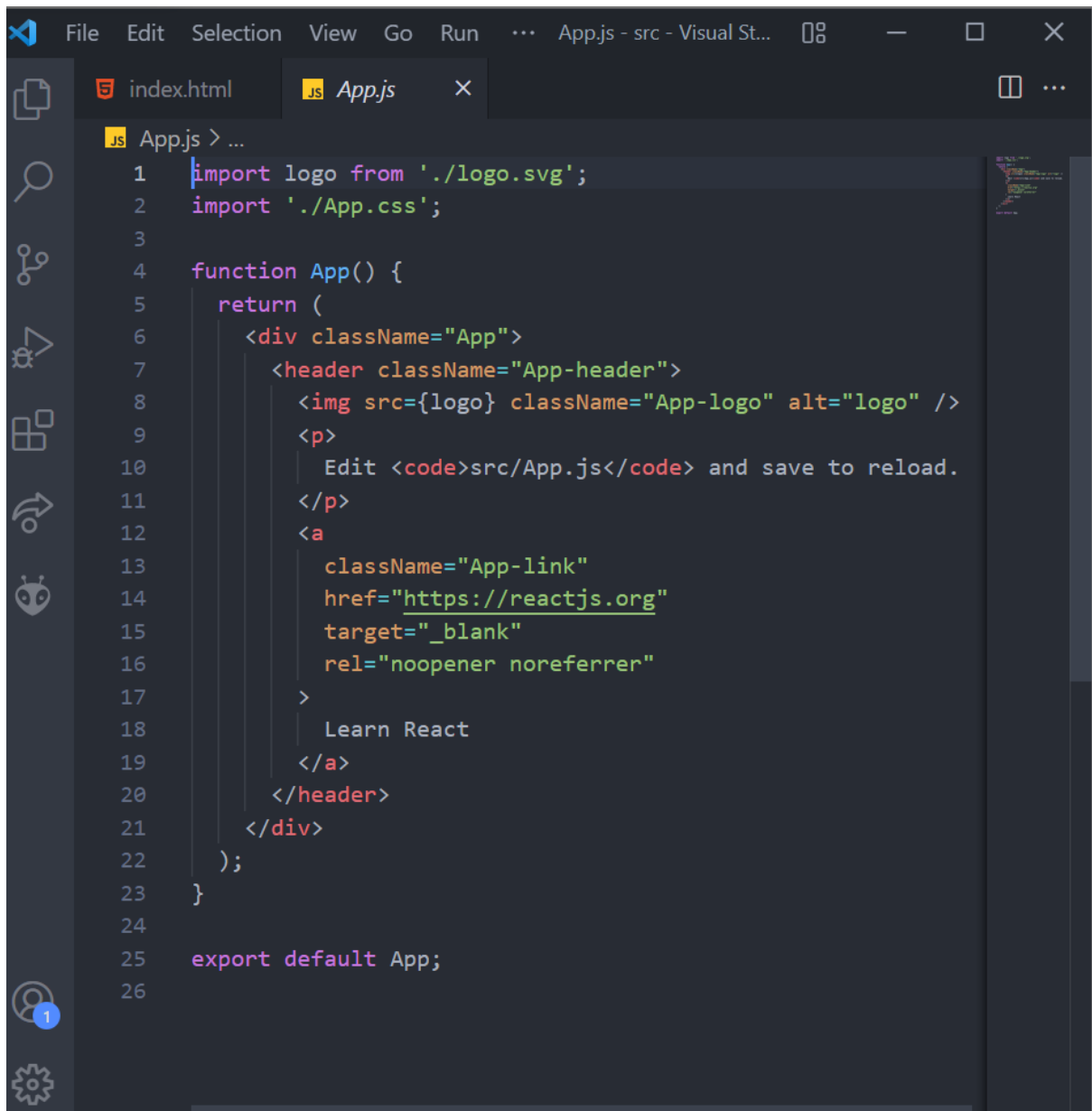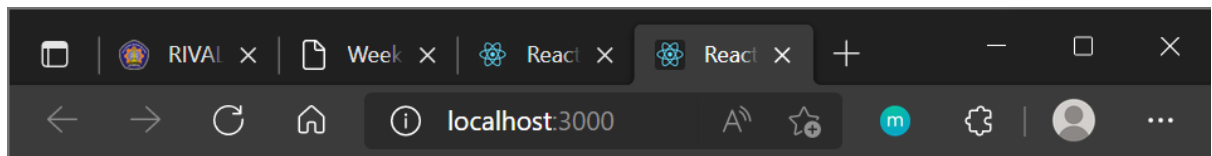
Index.html

File   Edit   Selection   View   Go   ···

Get Started   index.html ×

C: > react > web-reactku > public > index.html > ...

```html
1    <!DOCTYPE html>
2    <html lang="en">
3      <head>
4        <meta charset="utf-8" />
5        <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
6        <meta name="viewport" content="width=device-width, initi
7        <meta name="theme-color" content="#000000" />
8        <meta
9          name="description"
10         content="Web site created using create-react-app"
11       />
12       <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.
13       <!--
14         manifest.json provides metadata used when your web app
15         user's mobile device or desktop. See https://developer
16       -->
17       <link rel="manifest" href="%PUBLIC_URL%/manifest.json" /
18       <!--
19         Notice the use of %PUBLIC_URL% in the tags above.
20         It will be replaced with the URL of the `public` folde
21         Only files inside the `public` folder can be reference
22
23         Unlike "/favicon.ico" or "favicon.ico", "%PUBLIC_URL%/
24         work correctly both with client-side routing and a non
25         Learn how to configure a non-root public URL by runnin
26       -->
27       <title>React App</title>
28     </head>
29     <body>
30       <noscript>You need to enable JavaScript to run this app
```

App.js

```
File    Edit    Selection    View    Go    Run    ...    App.js - src - Visual St...

 index.html        App.js        X

 App.js > ...
1    import logo from './logo.svg';
2    import './App.css';
3
4    function App() {
5      return (
6        <div className="App">
7          <header className="App-header">
8            <img src={logo} className="App-logo" alt="logo" />
9            <p>
10             Edit <code>src/App.js</code> and save to reload.
11           </p>
12           <a
13             className="App-link"
14             href="https://reactjs.org"
15             target="_blank"
16             rel="noopener noreferrer"
17           >
18             Learn React
19           </a>
20         </header>
21       </div>
22     );
23   }
24
25   export default App;
26
```

e.

Hello, world!