

REACT JS

WEEK 2



Arranged By:

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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

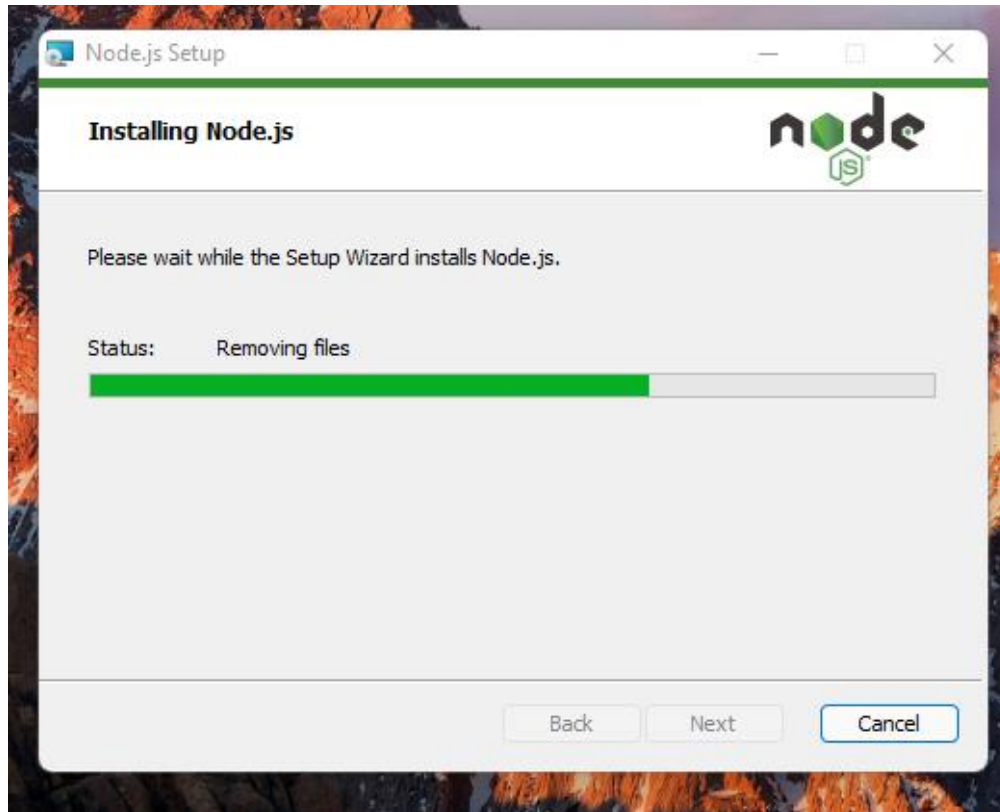
JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG



1. Installing Node Js

2.



2. Installation Verification

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

C:\Users\Rajendra Rakha>node -v
v16.14.0

C:\Users\Rajendra Rakha>npm -v
8.3.1

C:\Users\Rajendra Rakha>
```



Adding React to Website

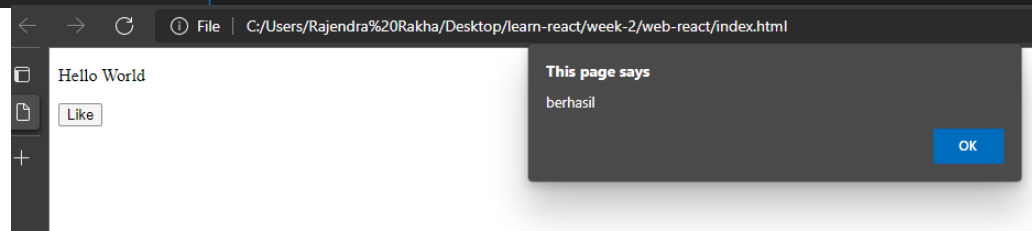
3. Create Index.html

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Learning Reach</title>
7 </head>
8 <body>
9   <p>Hello World</p>
10  <div id="like_button_container"></div>
11
12  <!-- load React.-->
13  <!-- Note: when deploying, replace "development.js" with "production.min.js". -->
14  <script crossorigin src="https://unpkg.com/react@17/umd/react.development.js"></script>
15  <script crossorigin src="https://unpkg.com/react-dom@17/umd/react-dom.development.js"></script>
16
17  <!-- Load our Reach component. -->
18  <script src="like_button.js"></script>
19 </body>
20 </html>
```

4. Create like_button.js

```
1 // ... the stater code you passed ...
2 const e= React.createElement;
3
4 function LikeButton(){
5   // Display a "Like" <Button>
6   return e(
7     'button',
8     {
9       onClick: () => alert('berhasil')
10     },
11     'Like'
12   );
13 }
14
15 const domContainer = document.querySelector('#like_button_container');
16 ReactDOM.render(e(LikeButton), domContainer);
```

RESULT





React-app Installation

5. Create React app

```
PS C:\Users\Rajendra Rakha\Desktop\learn-react\week-2> 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
upgrade asap.

added 67 packages, and audited 68 packages in 13s

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

2 high severity vulnerabilities

Some issues need review, and may require choosing
a different dependency.

Run 'npm audit' for details.
PS C:\Users\Rajendra Rakha\Desktop\learn-react\week-2> ls

Directory: C:\Users\Rajendra Rakha\Desktop\learn-react\week-2

Mode                LastWriteTime         Length Name
----                -
d-----          15/03/2022    09.31             web-react

PS C:\Users\Rajendra Rakha\Desktop\learn-react\week-2> create-react-app --version
5.0.0
PS C:\Users\Rajendra Rakha\Desktop\learn-react\week-2>
```

6. Installing React app

```
C:\WINDOWS\system32\cmd.exe
Success! Created web-reactku at C:\Users\Rajendra Rakha\Desktop\learn-react\week-2\web-reactku
Inside that directory, you can run several commands:

  npm start
    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:

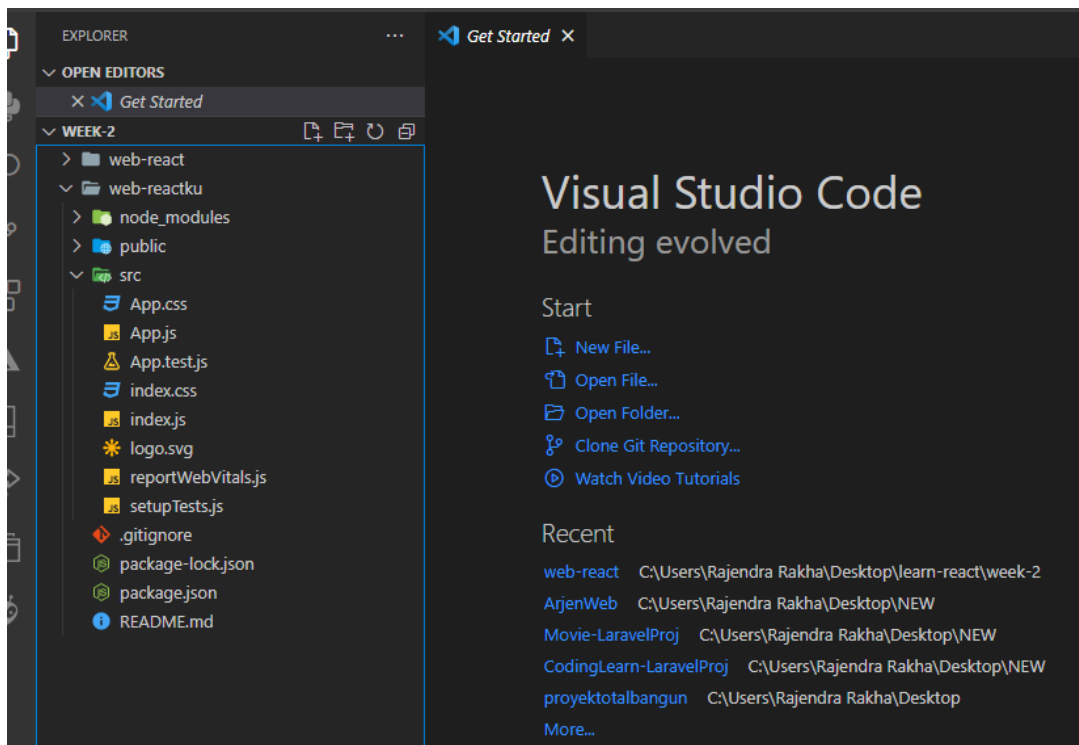
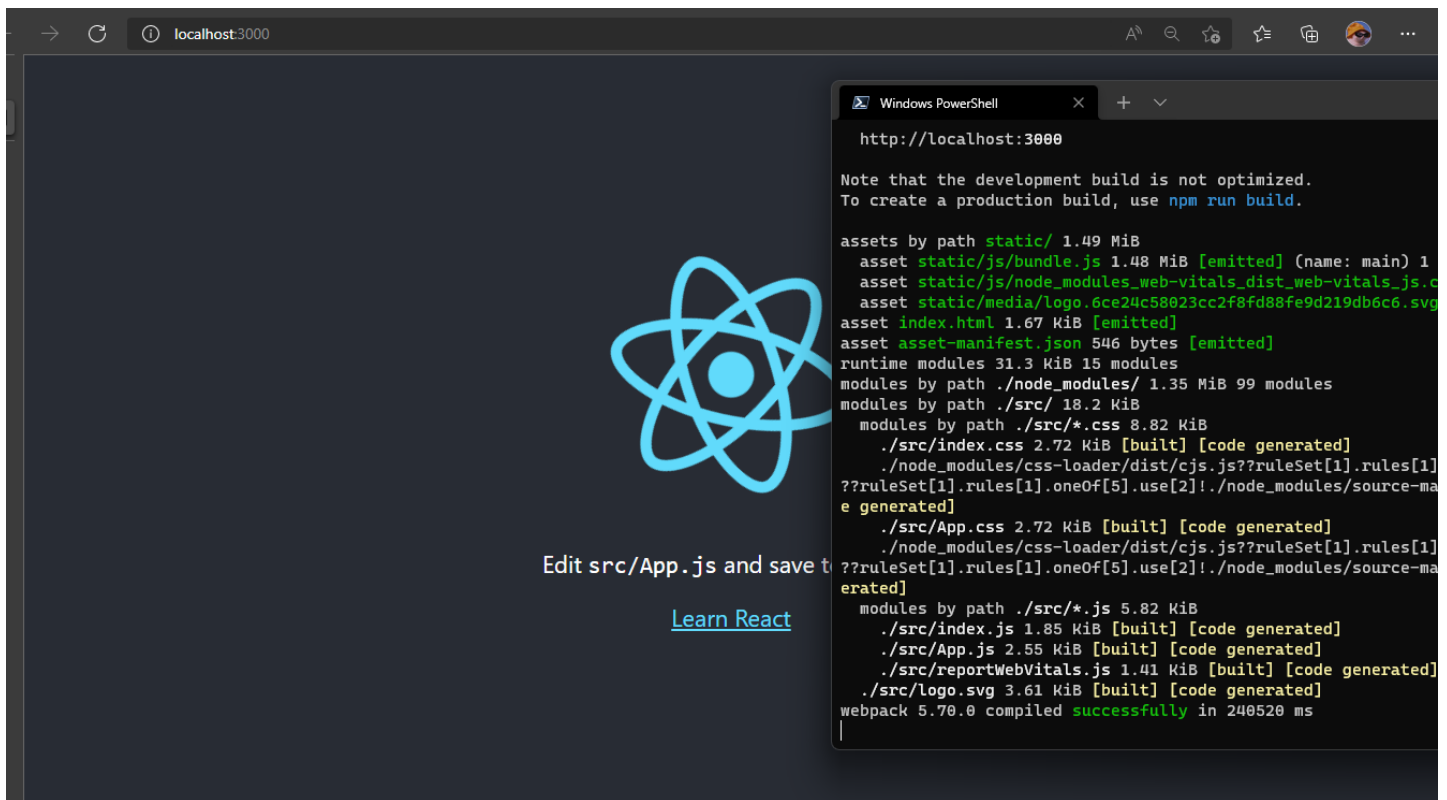
  cd web-reactku
  npm start

Happy hacking!
PS C:\Users\Rajendra Rakha\Desktop\learn-react\week-2> cd web-reactku
PS C:\Users\Rajendra Rakha\Desktop\learn-react\week-2\web-reactku> npm start

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



OUTPUT





React Project Structure

7. Editing Index.js

```
web-reactku > src > index.js > Hello
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  const Hello = () => {
8    return <p>Hello Rajendra</p>;
9  }
10 /*
11 ReactDOM.render(
12   <React.StrictMode>
13     <App />
14   </React.StrictMode>,
15   document.getElementById('root')
16 );
17 */
18
19 // If you want to start measuring performance in your app, pass a function
20 // to log results (for example: reportWebVitals(console.log))
21 // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
22 reportWebVitals();
23
```

OUTPUT

```
Compiled with warnings.

src\index.js
  Line 4:8:  'App' is defined but never used  no-unused-vars

Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.

assets by status 9.5 KiB [cached] 2 assets
assets by status 1.48 MiB [emitted]
  assets by chunk 1.48 MiB (name: main)
    asset static/js/bundle.js 1.48 MiB [emitted] (name: main) 1 related asset
    asset main.623231b83e586102bb59.hot-update.js 3.61 KiB [emitted] [immutable] [hmr] (name: main) 1 related asset
  assets by path *.json 699 bytes
    asset asset-manifest.json 671 bytes [emitted]
    asset main.623231b83e586102bb59.hot-update.json 28 bytes [emitted] [immutable] [hmr]
    asset index.html 1.67 KiB [emitted]
Entrypoint main 1.48 MiB (1.51 MiB) = static/js/bundle.js 1.48 MiB main.623231b83e586102bb59.hot-update.js 3.61 KiB
Auxiliary assets
  cached modules 1.36 MiB [cached] 106 modules
  runtime modules 31.3 KiB 15 modules
./src/index.js 2.06 KiB [built] [code generated]

WARNING in src\index.js
  Line 4:8:  'App' is defined but never used  no-unused-vars

webpack 5.70.0 compiled with 1 warning in 232 ms
```

GITHUB = <https://github.com/Rjndrkha/Pemrograman-Framework.git>