

# **JOBSHEET 2**

## **FRAMEWORK BASED PROGRAMMING**



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**2022**

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### Experiment A

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Node js installation.

```
Command Prompt
Microsoft Windows [Version 10.0.19044.1586]
(c) Microsoft Corporation. All rights reserved.

C:\Users\daffa>node -v
v14.15.5

C:\Users\daffa>npm -v
6.14.11
```

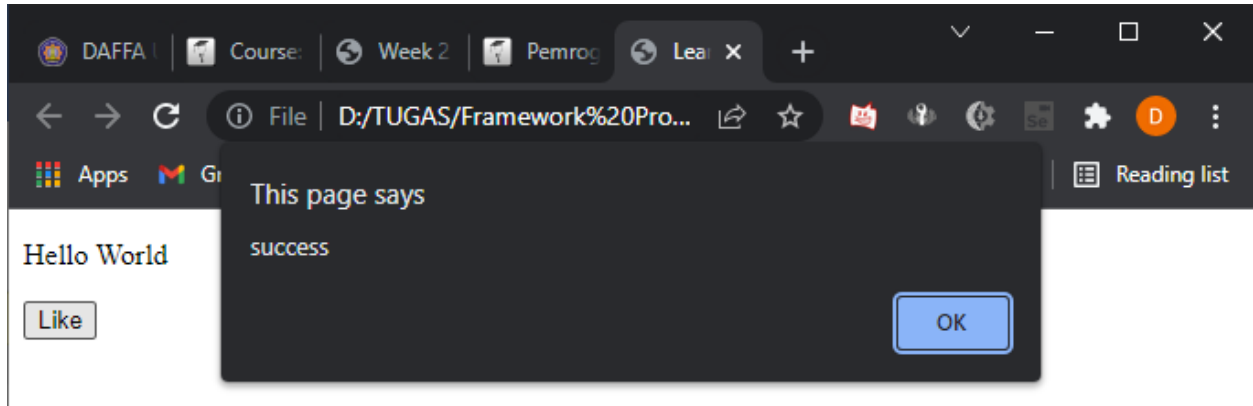
I already have node js installed before, so I only have to verify it.

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### Experiment B

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Adding react to the website.



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### Experiment C

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React app Installation

```
Windows PowerShell

D:\>cd React

D:\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.
C:\Users\daffa\AppData\Roaming\npm\create-react-app -> C:\Users\daffa\AppData\Roaming\npm\node_modules\create-react-app\
index.js
+ create-react-app@5.0.0
added 67 packages from 26 contributors in 454.047s

D:\React>create-react-app --version
5.0.0

D:\React>create-react-app web-reactku

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

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

> core-js@3.21.1 postinstall D:\React\web-reactku\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> core-js-pure@3.21.1 postinstall D:\React\web-reactku\node_modules\core-js-pure
```

```
Windows PowerShell

found 1 moderate severity vulnerability
  run `npm audit fix` to fix them, or `npm audit` for details

Created git commit.

Success! Created web-reactku at D:\React\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!
```

```
Windows PowerShell
D:\React\web-reactku>npm start

> web-reactku@0.1.0 start D:\React\web-reactku
> react-scripts start

(node:12136) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
(Use `node --trace-deprecation ...` to show where the warning was created)
(node:12136) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...
Compiled successfully!

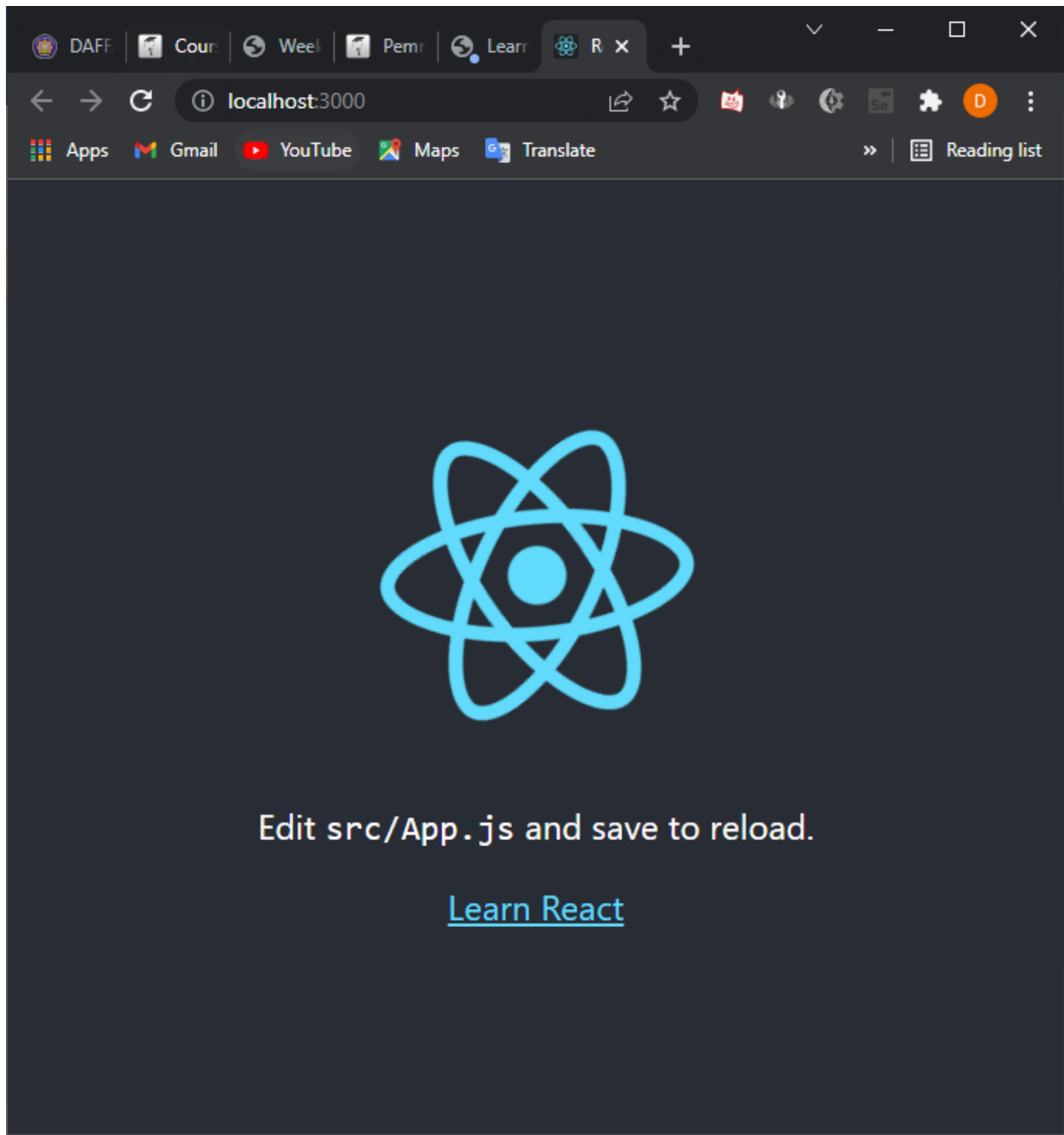
You can now view web-reactku in the browser.

  Local:            http://localhost:3000
  On Your Network:  http://192.168.1.172:3000

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

assets by path static/ 1.49 MiB
  asset static/js/bundle.js 1.48 MiB [emitted] (name: main) 1 related asset
  asset static/js/node_modules_web-vitals_dist_web-vitals_js.chunk.js 6.93 KiB [emitted] 1 related asset
  asset static/media/logo.6ce24c58023cc2f8fd88fe9d219db6c6.svg 2.57 KiB [emitted] (auxiliary name: main)
asset index.html 1.67 KiB [emitted]
asset asset-manifest.json 546 bytes [emitted]
```

Result :



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*Experiment E*

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

Result:

