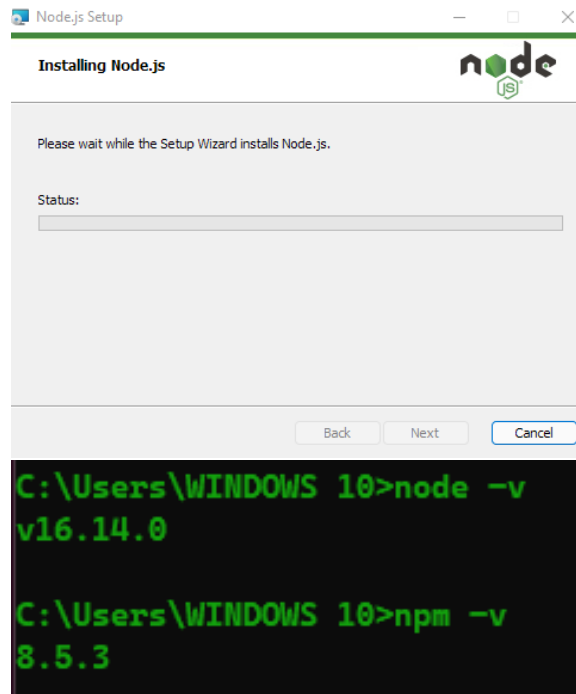


JOBSHEET 2

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EXPERIMENT:

1. Downloading NodeJS and checking its version:



2. Adding React to a basic website:

Start by creating an html file called index.html:

```
Week-2 > web-react > index.html > html > body > script
1  <!DOCTYPE html>
2  <html Lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7      <title>Learning React</title>
8    </head>
9    <body>
10     <p>
11       Hello world, this me Omar <br />
12       I would like to show you this awesome button
13     </p>
14     <div id="Like_button_container"></div>
15     <!-- Load React -->
16     <script
17       src="https://unpkg.com/react@16.14.0/umd/react.development.js"
18       crossorigin
19     ></script>
20     <script
21       src="https://unpkg.com/react-dom@16.14.0/umd/react-dom.development.js"
22       crossorigin
23     ></script>
24     <!-- Load our React component -->
25     <script src="like_button.js"></script>
26   </body>
27 </html>
```

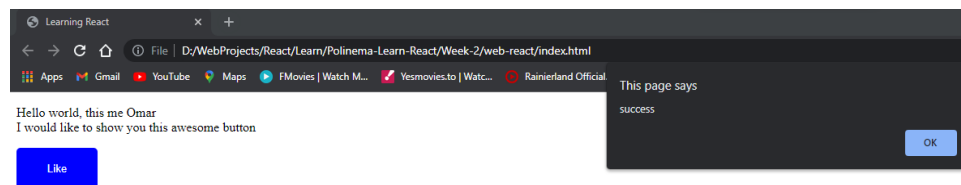
And now we create the JS file called like_button.js:

```

Week-2 > web-react > like_button.js > LikeButton > style > backgroundColor
1  const e = React.createElement;
2
3  function LikeButton() {
4    return e(
5      "button",
6      {
7        onClick: () => alert("success"),
8        style: {
9          color: "white",
10         backgroundColor: "blue",
11         height: "50px",
12         width: "100px",
13         borderRadius: "5px",
14         border: "none",
15         boxShadow: "none",
16         cursor: "pointer",
17       },
18     ),
19     "Like"
20   );
21 }
22
23 const domContainer = document.querySelector("#like_button_container");
24 ReactDOM.render(e(LikeButton), domContainer);

```

Results:



3. React-app Installation:

```

C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22000.556]
(c) Microsoft Corporation. All rights reserved.

D:\WebProjects\React>npm install -g create-react-app
npm WARN deprecated tar@2.2.2: This version of tar is no longer supported
upgrade asap.

added 67 packages, and audited 68 packages in 4s
4 packages are looking for funding
  run 'npm fund' for details
0 high severity vulnerabilities
Some issues need review, and may require choosing
a different dependency.
Run 'npm audit' for details.

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

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

D:\WebProjects\React\Learn\Polinema-Learn-React\Week-2>create-react-app web-myreact

Creating a new React app in D:\WebProjects\React\Learn\Polinema-Learn-React\Week-2\web-myreact.
Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...



[Progress bar] / idealTree:tutils: [Progress bar] fetch manifest no-case@3.0.4

D:\WebProjects\React\Learn\Polinema-Learn-React\Week-2>cd web-myreact
D:\WebProjects\React\Learn\Polinema-Learn-React\Week-2>web-myreact>npm start
web-myreact@5.0.0 start
react-scripts start

(node:7180) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' on
  webpack is deprecated. Please use the 'setupMiddlewares' option.
(node:7180) (Use 'node --trace-deprecation ...' to show where the warning was created)
(node:7180) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware'
  option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...

```



```
Week-2 > web-myreact > src >  indexes >  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!, this me Omar</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,
19 // to log results (for example: reportWebVitals(console.log))
20 // or send to an analytics endpoint. Learn more: https://bit.ly/react-web-vitals
21 reportWebVitals();
```