

Assignment – 9

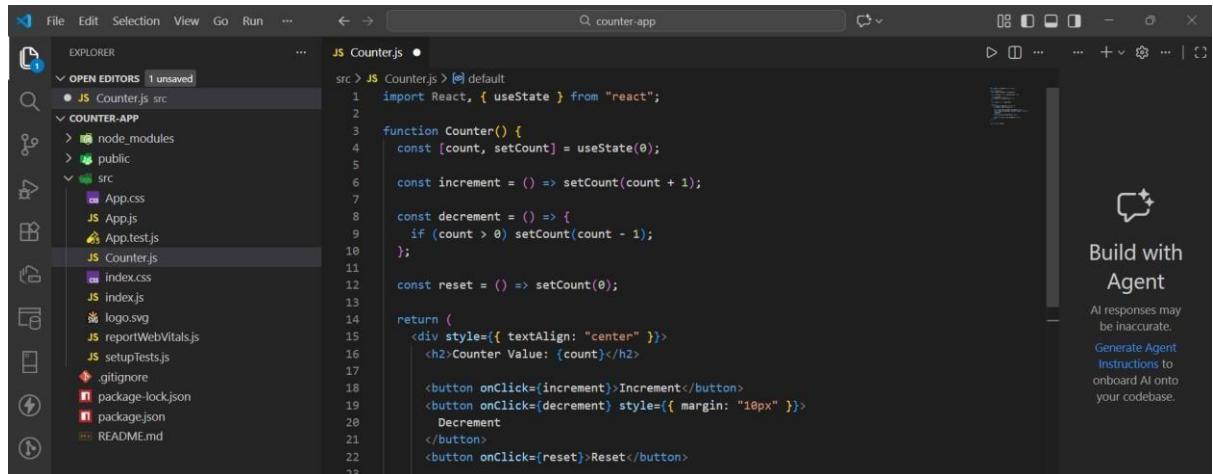
Name:K.Srutha Keerthi

Batch:01

H.T.NO:2303A51022

Counter Application :

Step – 01 : Code for Counter App.



A screenshot of the Visual Studio Code interface. The title bar says "counter-app". The left sidebar shows a file tree with a folder "COUNTER-APP" containing "node_modules", "public", and "src" subfolders. Inside "src", there are files: "App.css", "App.js", "App.test.js", and "Counter.js". The "Counter.js" file is selected and open in the main editor area. The code is a React component named "Counter" that uses the useState hook to manage a counter state. It includes three buttons: "Increment", "Decrement", and "Reset". The code is as follows:

```
src > JS Counter.js > [1] default
1 import React, { useState } from "react";
2
3 function Counter() {
4   const [count, setCount] = useState(0);
5
6   const increment = () => setCount(count + 1);
7
8   const decrement = () => {
9     if (count > 0) setCount(count - 1);
10  };
11
12  const reset = () => setCount(0);
13
14  return (
15    <div style={{ textAlign: "center" }}>
16      <h2>Counter Value: {count}</h2>
17
18      <button onClick={increment}>Increment</button>
19      <button onClick={decrement} style={{ margin: "10px" }}>
20        Decrement
21      </button>
22      <button onClick={reset}>Reset</button>
23    </div>
24  );
25}
```

Step – 02: Code for App.

A screenshot of the Visual Studio Code (VS Code) interface. The left sidebar shows the file structure of a React application named 'counter-app'. The 'src' folder contains 'Counter.js', 'App.js', 'index.css', 'index.js', 'logo.svg', 'reportWebVitals.js', 'setupTests.js', '.gitignore', 'package-lock.json', 'package.json', and 'README.md'. The right pane displays the content of 'App.js'. The code imports 'React' and 'Counter' from their respective files, defines a function 'App' that returns a centered

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 and a component, and exports it. A sidebar on the right is titled 'Build with Agent' with the subtext 'AI responses may be inaccurate. Generate Agent Instructions to onboard AI onto your codebase.'

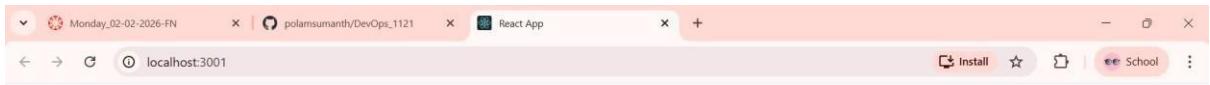
```
File Edit Selection View Go Run ... ← → ⌘ counter-app
EXPLORER JS Counter.js JS App.js ...
OPEN EDITORS JS Counter.js src
JS App.js src
COUNTER-APP > node_modules
> public
src > App.css
JS App.js
JS App.test.js
JS Counter.js
index.css
index.js
logo.svg
JS reportWebVitals.js
JS setupTests.js
.gitignore
package-lock.json
package.json
README.md
src > JS App.js > [e] default
1 import React from "react";
2 import Counter from "./Counter";
3
4 function App() {
5   return (
6     <div>
7       <h1 style={{"text-align": "center"}}>Counter Application</h1>
8       <Counter />
9     </div>
10   );
11 }
12
13 export default App;
```

Build with Agent
AI responses may be inaccurate.
Generate Agent Instructions to onboard AI onto your codebase.

Step – 06: Opening The Application.



Step – 07: Incrementation.



Counter Application

Counter Value: 3

Step – 08: Decrementation.



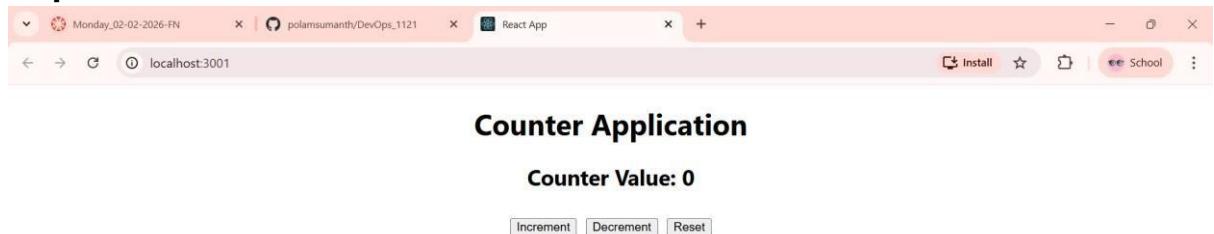
Counter Application

Counter Value: 1

Step – 09: Reaching 10 Pop Up Message.



Step – 10: Reset.



Step – 11: Successfully Implemented.

```
Windows PowerShell x + - o x
Compiled successfully!
You can now view counter-app in the browser.
Local:          http://localhost:3001
On Your Network: http://10.3.99.214:3001
Note that the development build is not optimized.
To create a production build, use npm run build.
webpack compiled successfully
```