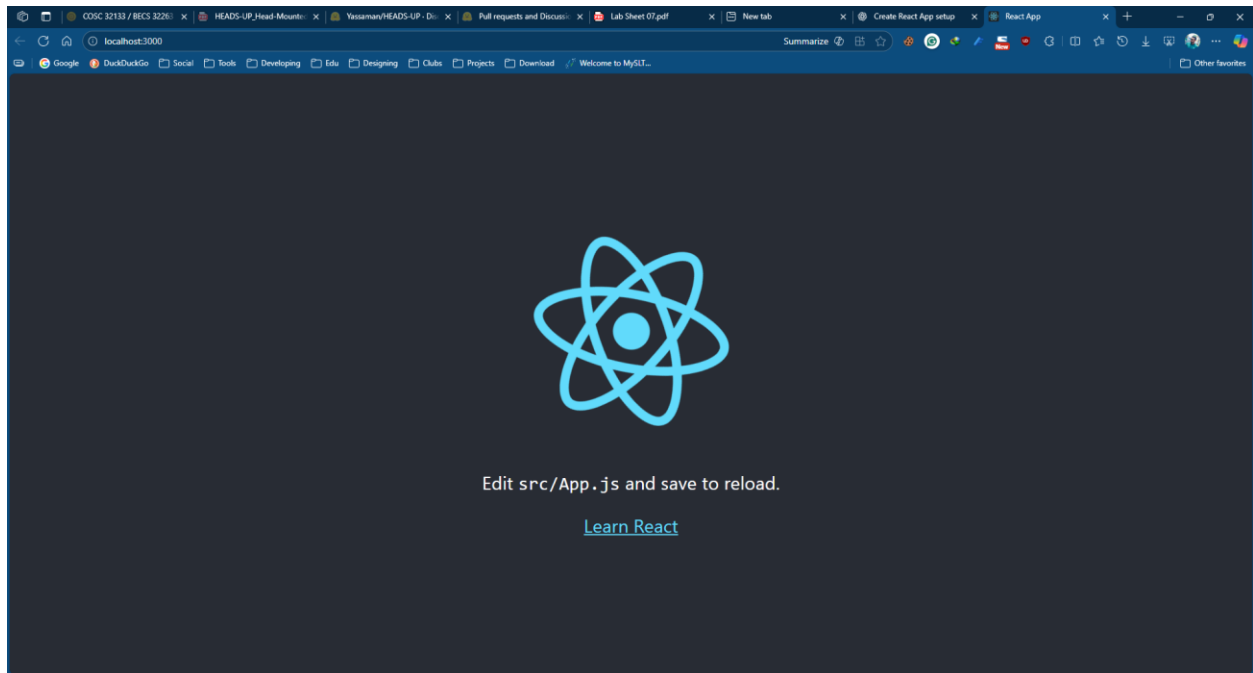## Task 01

Project 01


```
import React from 'react'

const Welcome = () => {
  return (
    <h2>Hello from NPX React App!</h2>
  )
}

export default Welcome
```

```
import logo from './logo.svg';
import './App.css';
import Welcome from './Welcome';

function App() {
  return (
    <div className="App">
      <h1>Project 1: NPX Demo</h1>
```
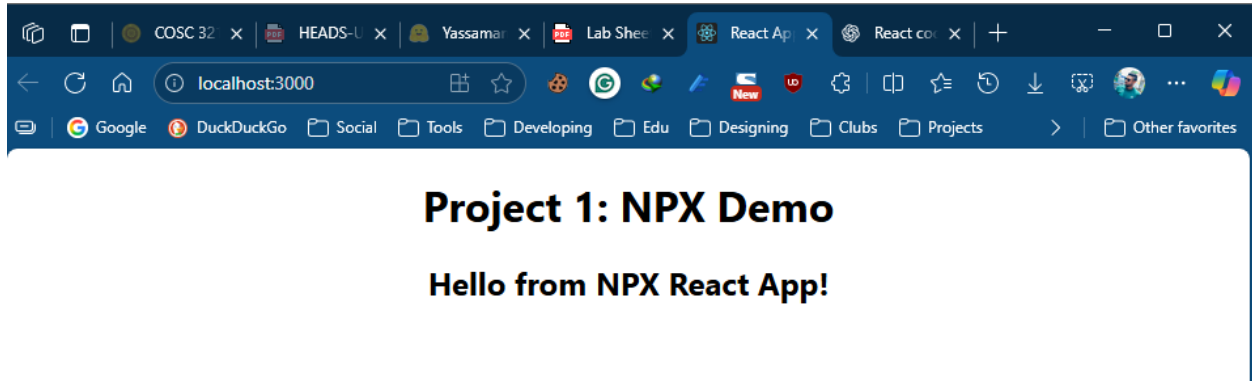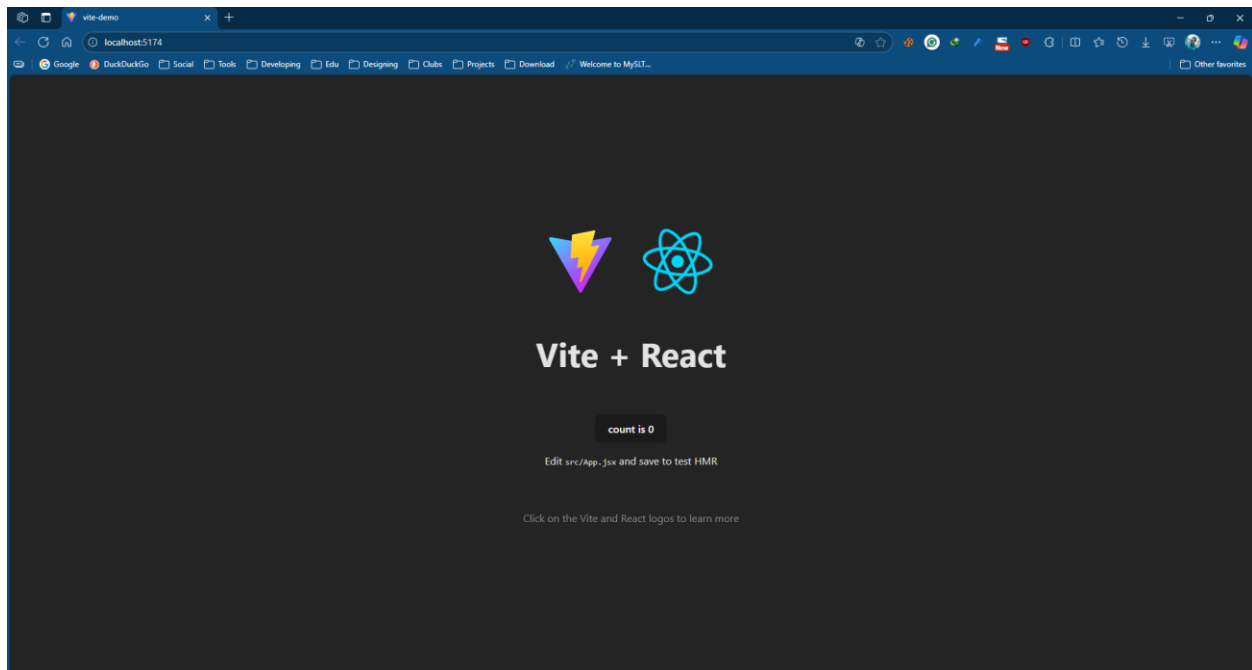
```
      <Welcome />
    </div>
  );
}

export default App;
```


Project 02


```
import React from 'react'

const Box = () => {
  return (
```

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```jsx
    <div style={{background: 'lightblue', padding: '10px'}}>
        Hello from Vite + JSX!
    </div>
  )
}

export default Box
```

```jsx
import { useState } from 'react'
import reactLogo from './assets/react.svg'
import viteLogo from '/vite.svg'
import './App.css'
import Box from './Box.Jsx'

function App() {
  const [count, setCount] = useState(0)

  return (

    <div>
        <h1>Project 4: Vite JSX Demo</h1>
        <Box />
    </div>

  )
}

export default App
```
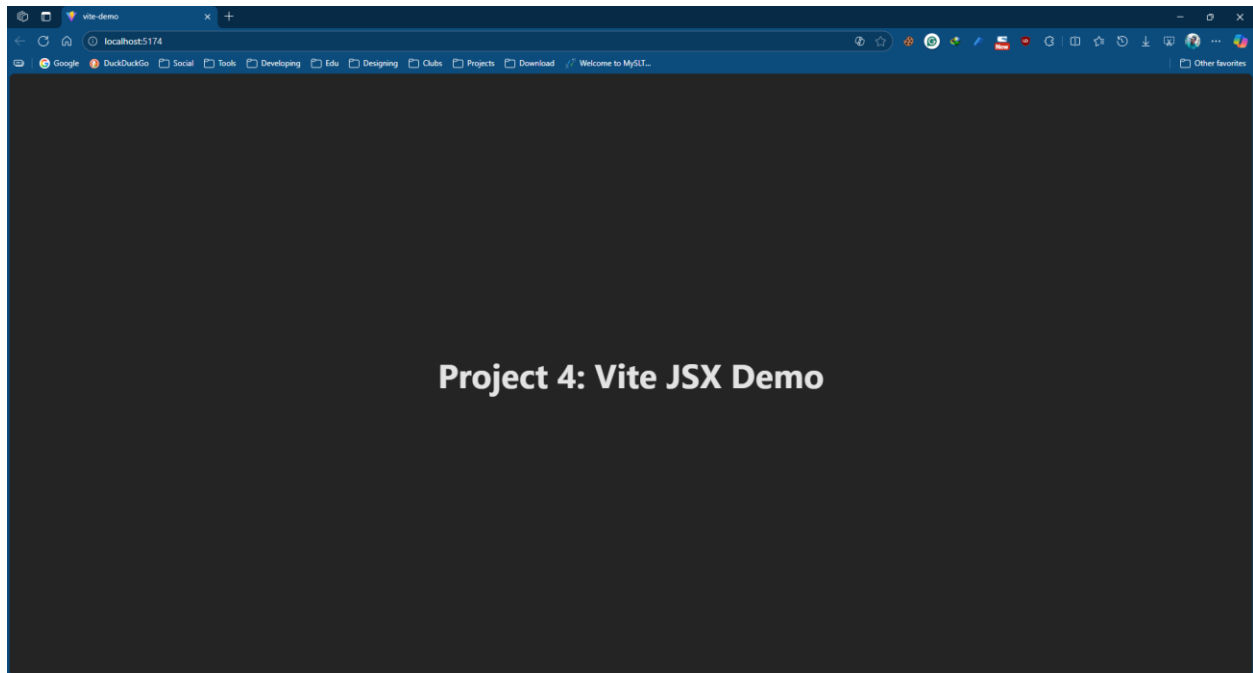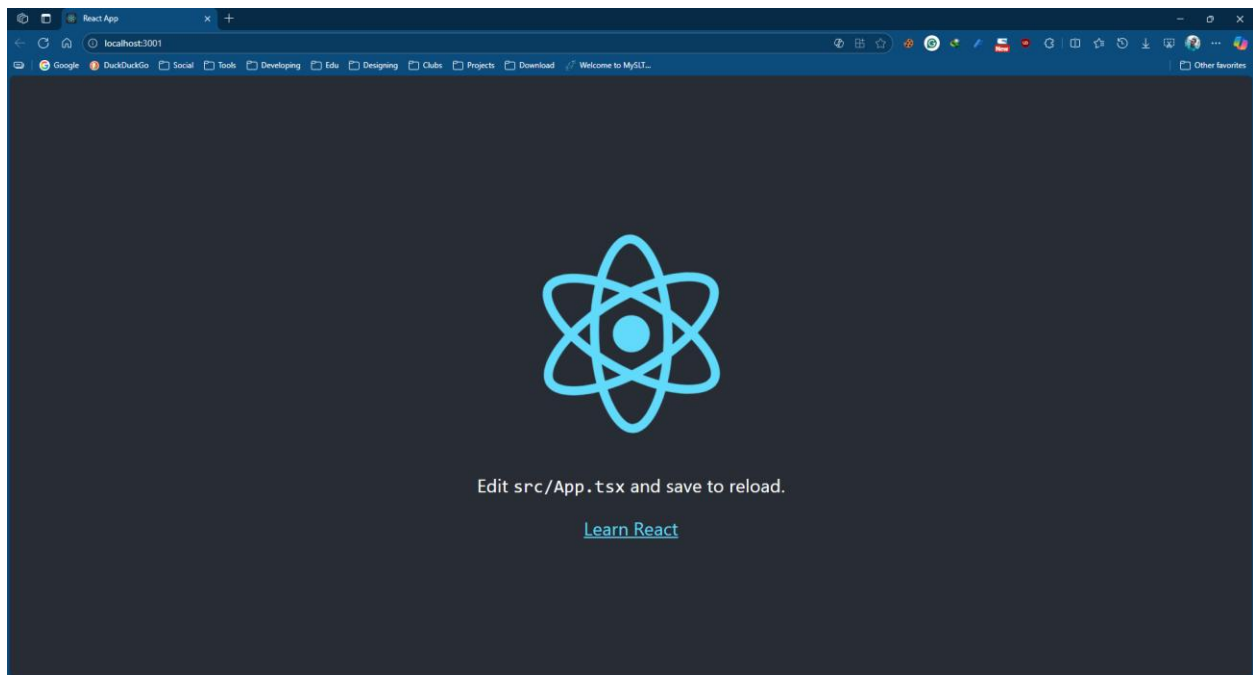
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Project 03


```
import React from 'react'

const Message : React.FC = () => {
    return  <h2>Hello from TypeScript + React!</h2>;
```
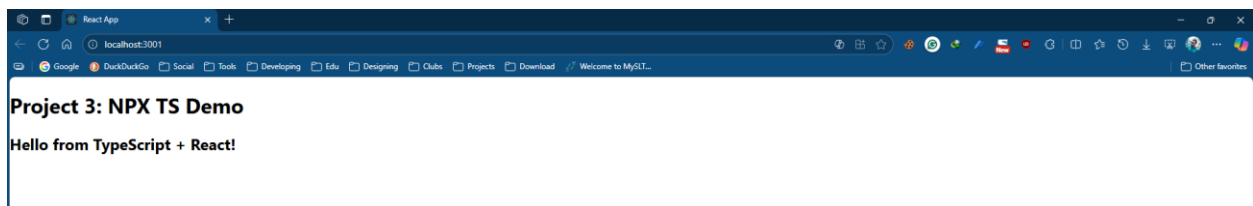
```
};

export default Message
```
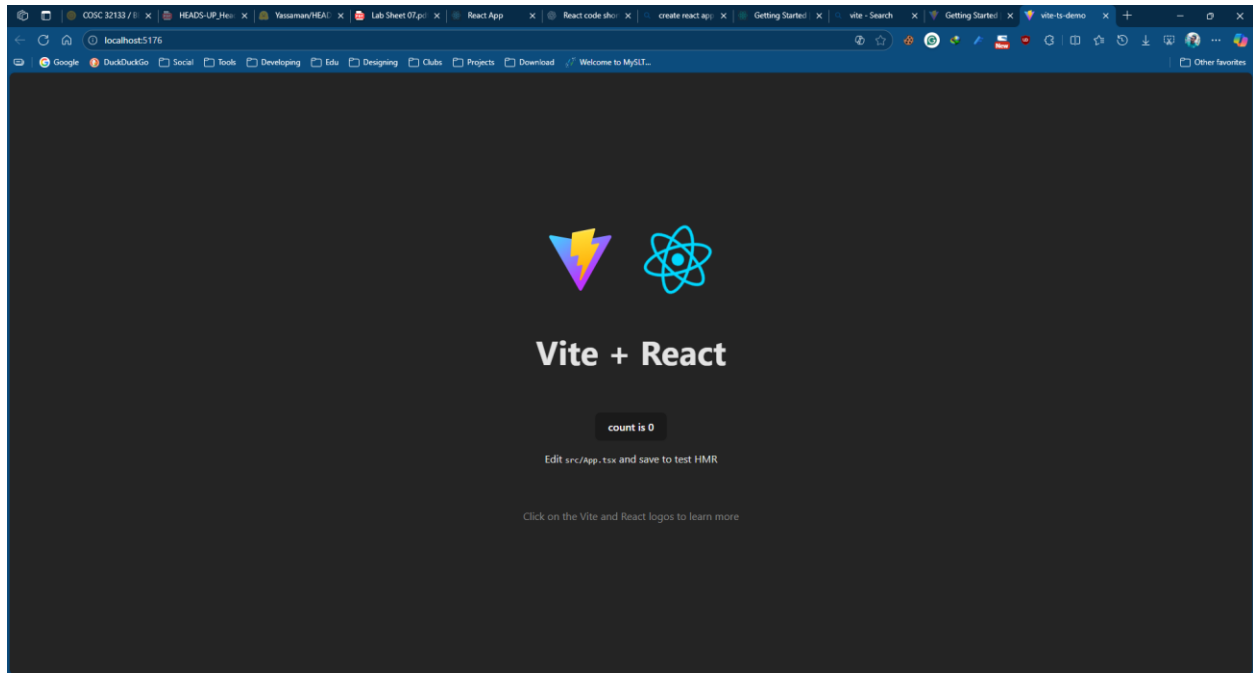
```
import React from 'react';
import logo from './logo.svg';
import './App.css';
import Message from './Message';

function App() {
  return (
    <div>
      <h1>Project 3: NPX TS Demo</h1>
      <Message />
    </div>
  );
}

export default App;
```

Project 04


```
import React from 'react'

const Greeting = () => {
  return (
    <h2>Welcome to Vite React!</h2>
  )
}

export default Greeting
```
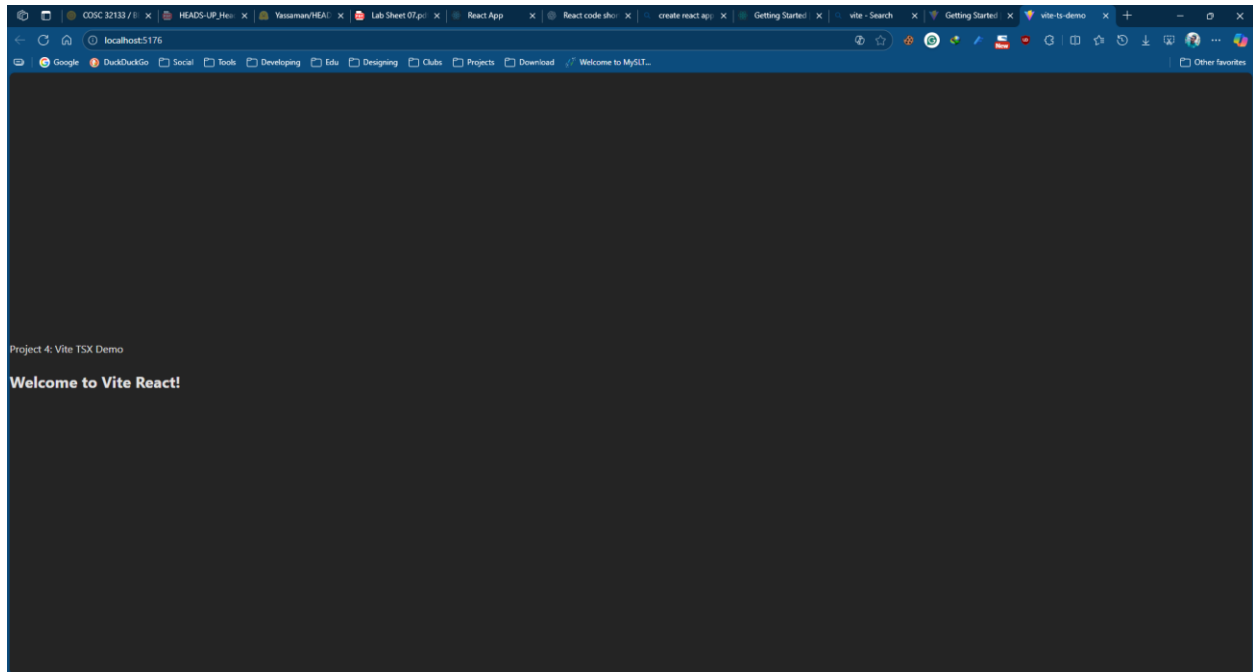
```
import React from 'react'

const App = () => {
  return (
    <h1>Project 4: Vite TSX Demo</h1>
  )
}

export default App
```

Task 2

Task 02

1. List two different ways to create a React app.

- Using Create React App (CRA) → npx create-react-app my-app
- Using Vite → npm create vite@latest my-app --template react

2. Explain the difference between. jsx and .tsx files.

- jsx: React + JavaScript
- tsx: React + TypeScript (supports type checking)

3. What is the purpose of the node_modules/ folder in a React project?

- Stores all installed dependencies and libraries needed for the React project.

4. List two important files found inside the public/ folder and explain their roles.

- index.html → Main HTML file where the React app is injected.
- favicon.ico → Icon shown in the browser tab.

5. What is the function of the index.html file in a React app?

- It contains a root <div> where the entire React application is rendered.

6. What is the purpose of the src/ folder?

- Contains all the React components, CSS, and main application logic.