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(Autonomous Institute Affiliated to University of Mumbai)
[Department of Computer Science and Engineering (Master of Computer Applications)]

CLASS: F.Y. MCA

SEM: I

AY:24-25

COURSE CODE: MC504

SUBJECT NAME: WEB TECHNOLOGY LAB

ROLL NO.: 2024510001

BATCH: A

NAME: Atharva Vasant Angre

EXPERIMENT NO: 03

EXPERIMENT TITLE: Create and run the application using basic concepts of react.

Problem Statement: Create a basic React application that consists of two components: Navigation and Content. The goal of this task is to practice structuring and rendering static components in a React app.

Component 1: Navigation 1. This component should render a navigation menu with three static links: "Home", "About", and "Contact". 2. Each link should be displayed as part of an unordered list.

Component 2: Content 1. This component should display a heading and a paragraph with static placeholder text. 2. The heading should read: "Welcome to the content section". 3. The paragraph should contain some brief descriptive text, like: "This is some placeholder content for demonstration purposes." 4. Add your own content in one more paragraph.

Code:

Npm create vite@latest lab_4 (Open in terminal)

cd lab_4

npm I

npm install react-router-dom

npm run dev

-----**App.jsx**

```
import React from "react";

import { BrowserRouter, Routes, Route } from "react-router-dom";

import Navigation from "../components/Navigation";

import Content from "../components/Content";
```

```
const App = () => {

  return (

    <BrowserRouter>

      <Navigation />

      <Routes>

        <Route path="/Home" element={<Content />} />

        <Route path="/About" element={<Content />} />

        <Route path="/Contact" element={<Content />} />

      </Routes>

    </BrowserRouter>

  );

};
```

```
export default App;
```

-----**Navigation.jsx**

```
import React from "react";

import { Link } from "react-router-dom";

import "../Navigation.css";
```

```
const Navigation = () => {  
  return (  
    <nav className="navbar">  
      <ul className="nav-list">  
        <li className="nav-item">  
          <Link to="/Home" className="nav-link">  
            Home  
          </Link>  
        </li>  
        <li className="nav-item">  
          <Link to="/About" className="nav-link">  
            About  
          </Link>  
        </li>  
        <li className="nav-item">  
          <Link to="/Contact" className="nav-link">  
            Contact  
          </Link>  
        </li>  
      </ul>  
    </nav>  
  );  
};  
  
export default Navigation;
```

-----Content.jsx

```
import React from "react";

import "./Content.css";

const Content = () => {

  return (

    <section className="content-section">

      <h1>Welcome to My Page, I'am Atharva Angre. </h1>

      <p>Student at Sardar Patel Institution of Technology,</p>

      <p>

        I'am also a sport person, I play Mallakahmab which is a India Authentic

        Sport.

      </p>

    </section>

  );

};

export default Content;
```

-----Navigation.css

```
.navbar {

  background-color: #333;

  padding: 10px;

  align-content: center;

  height: 50px;

}
```

```
.nav-list {  
  list-style: none;  
  display: flex;  
  gap: 100px;  
  justify-content: center;  
  margin: 0;  
  padding: 0;  
}
```

```
.nav-item {  
  display: inline;  
}
```

```
.nav-link {  
  color: #fff;  
  text-decoration: none;  
  font-weight: bold;  
}
```

```
.nav-link:hover {  
  color: #ddd;  
}
```

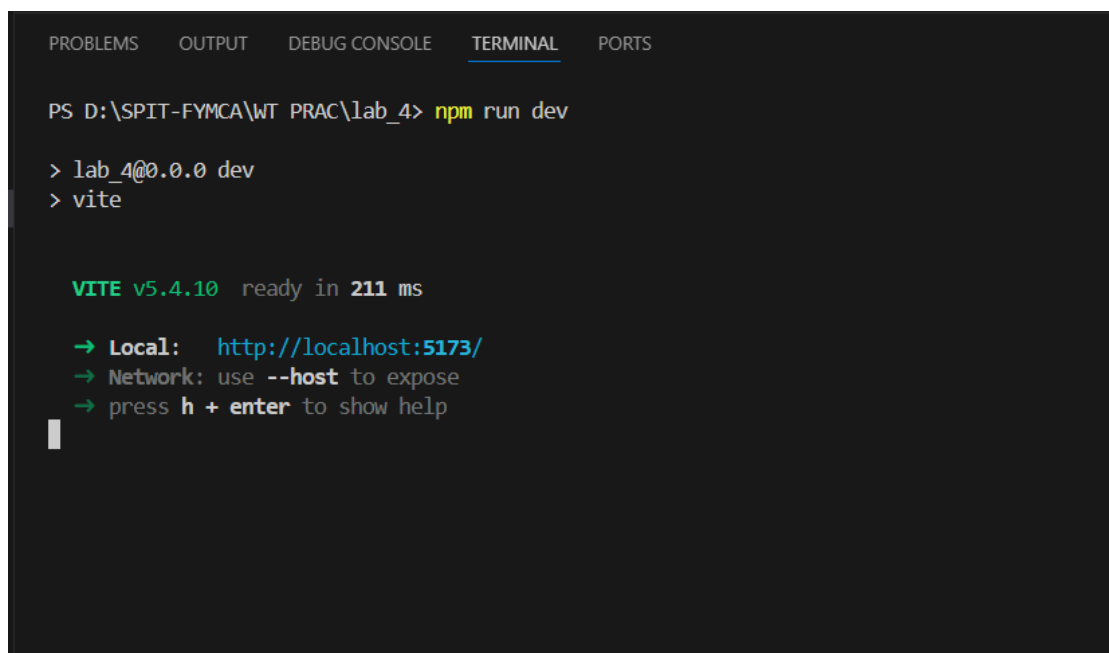
-----**main.jsx**

```
import { StrictMode } from 'react'  
import { createRoot } from 'react-dom/client'  
import './index.css'
```

```
import App from './App.jsx'
```

```
createRoot(document.getElementById('root')).render(  
  
  <StrictMode>  
  
    <App />  
  
  </StrictMode>,  
  
)
```

Screenshots of the outputs:



```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  
  
PS D:\SPIT-FYMCA\WT PRAC\lab_4> npm run dev  
  
> lab_4@0.0.0 dev  
> vite  
  
VITE v5.4.10 ready in 211 ms  
  
→ Local:   http://localhost:5173/  
→ Network: use --host to expose  
→ press h + enter to show help
```

