**BHARATIYA VIDYA BHAVAN’S**

**SARDAR PATEL INSTITUTE OF TECHNOLOGY**

**Munshi nagar, Andheri (W), Mumbai - 400058**

**(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 staticlinks: "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@latestet 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:



