

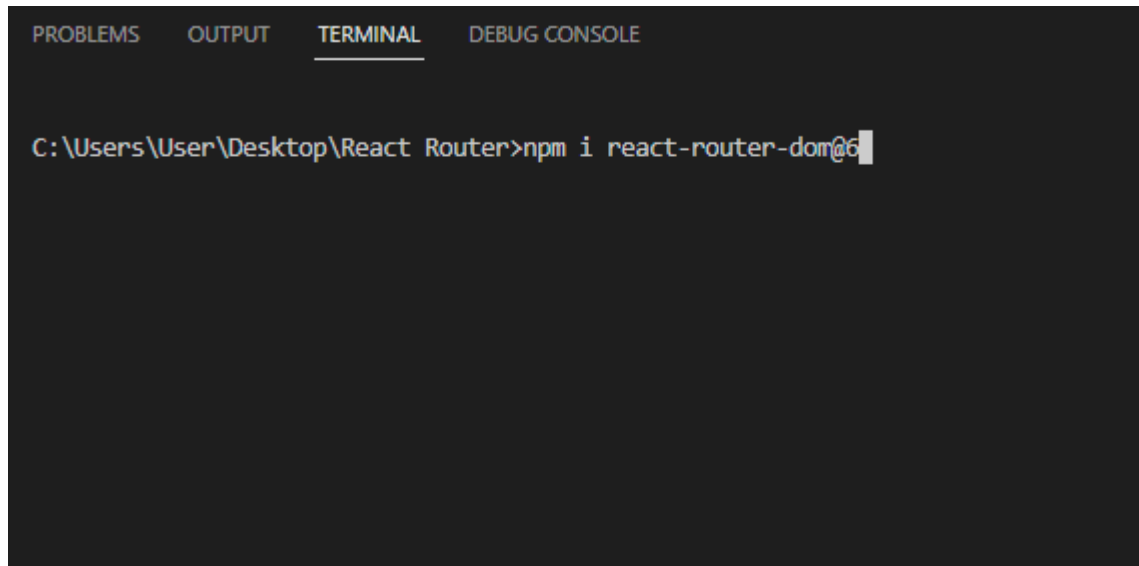
React Router

Assignment 1:

Objective:

Student can route page to the another page

Student can use Router Hook (useNavigate, useParams)



A screenshot of a VS Code terminal window. The terminal has a dark background with light-colored text. At the top, there are four tabs: 'PROBLEMS', 'OUTPUT', 'TERMINAL' (which is selected and underlined), and 'DEBUG CONSOLE'. The terminal shows the command prompt 'C:\Users\User\Desktop\React Router>' followed by the command 'npm i react-router-dom@6'. A white cursor is positioned at the end of the command.

install react Router dom version 6

1.) In App.jsx we have `<BrowserRouter>` Wrap all element in this component and then create `<Routes>` import it from react router dom and wrap it `<Route>` `<Route>` have 2 props that we need first one is path to define url path for example `path={"/profile"}` mean **"localhost:300/profile"** and the second one is element that what component you want to component when you go that path. and then create `<NavLink>` from React-router-dom after `<Routes>`, Link 3 Route Name **Home About Contact** and wrap it with `<nav>` , `<NavLink>` is similar `<a>` in html, NaveLink have to attribute what destination that you want to route for example `<NavLink to={"/profile"}>` this mean you route this page to /profile page

Hello World

[Home](#) [About](#) [Contact](#)

2.) Navlink

`<Navlink>` allows us to use active like `<a>` in html. your work style the active nav via css.
hint: select by `a.active` in App.css

Hello World

[Home](#) [About](#) [Contact](#)

3) Create 3 component in component folder name Home, About, Contact in these 3 component appear the web page title

This is Contact page

[Home](#) [About](#) [Contact](#)

4) router hook

router hook is a useful function from react in this step you can use `useNavigate()` from `react-router-dom` this function can navigate like `window.open` in pure javascript, your work please create button like image below and style and then add event `onClick` to redirect about page to homepage via `UseNavigate()` function

This is About Page

Redirect

[Home](#) [About](#) [Contact](#)

5.) Adapt useNavigate and useState to permission Routes

we can adapt useNavigate hook for permission Routes it's mean you can't go this when if you not login first, your work is create Admin Page that have 1 condition if you not login first you can't routes to this page

Hint: create State for check userLogin in App.js



This is Admin Page

Logout

[Home](#) [About](#) [Contact](#) [For Admin!!](#)

6.) use Params (dynamic routing)

dynamic routing is a another way to routing with some data that you what to route that have a dynamic value (unique number) such as id, your work is create **Profile component** in component folder that appear the student_Id that you get from params, for example

“localhost:3000/profile/34” 34 is a params in this url

hint: useParams() hook for get the param in url , “:id” is a dynamic path

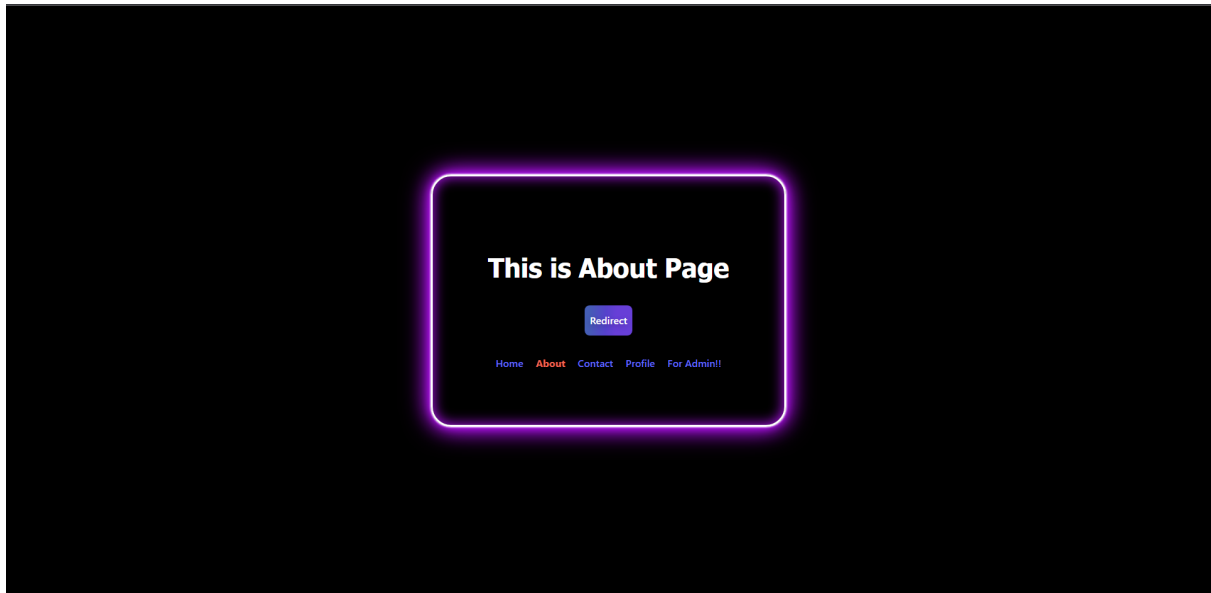
This Student ID of user is 8

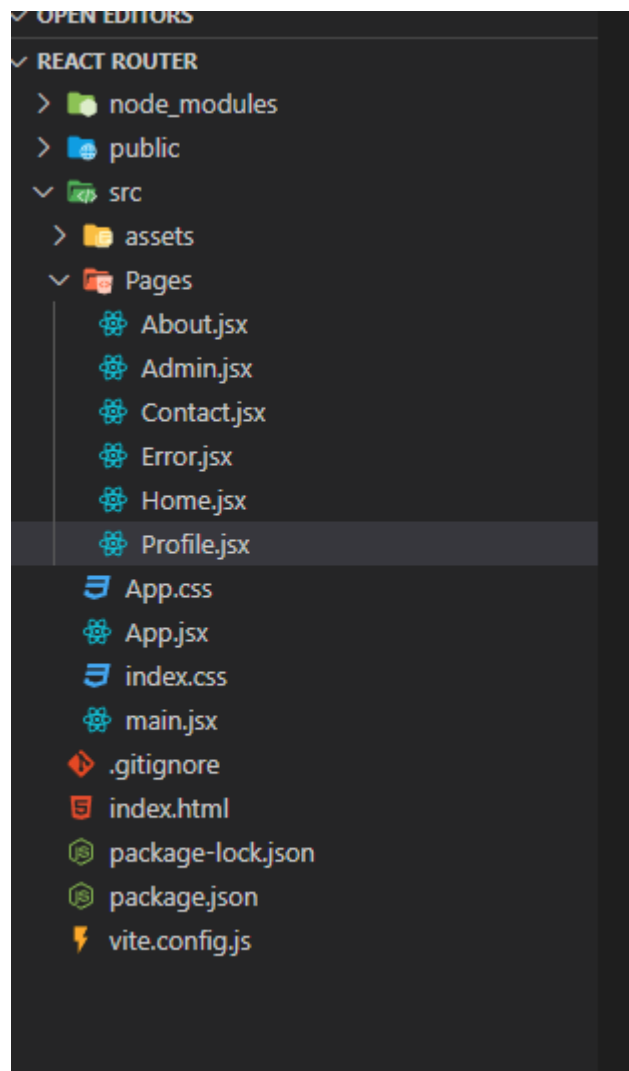
[Home](#) [About](#) [Contact](#) [Profile](#) [For Admin!!](#)

7.) CSS animation (Optional)

-add typeEffect (with Keyframe animation in CSS)

- add neon border





your project look like this and then submit it to github repository

Good luck