Ex. No: 13 Reg. No: 220701031

Date:

ReactJS

Aim:

Program to develop an attractive web page using ReactJS.

Algorithm:

- 1. Create a react project by using the command npx create-react-app login-signup in command prompt.
- 2. Then change the directory to your project directory using the command cd login-signup.
- 3. Then start the server using the command npm start.
- 4. Import ./welcome.js, signup from ./signup.js and login from ./login.js in app.js file.
- 5. After these components are imported, establish routes to them using <Route> tag within <Routes> tag which is within <Router> tag.
- 6. In login.js, create a form with username and password and onsubmit check if the username is equal to rec and password is equal to rec123
- 7. If the above conditions are satisfied then navigate to welcome.js or else navigate to signup.js.
- 8. In signup.js file create a form with username, email and password and onsubmit it should navigate to welcome.js.
- 9. In welcome.js file create a component and in it create a <h1> tag with the text "Welcome to REC".

Program:

App.js

```
import React from 'react';
import { BrowserRouter as Router, Route, Routes } from 'react-router-dom';
import Welcome from './Welcome';
import Signup from './Signup';
import Login from './Login';
const App = () => \{
return (
<Router>
<Routes>
<Route exact path="/" element={<Login />} />
<Route exact path="/Welcome" element={<Welcome />} />
<Route path="/Signup" element={<Signup />} />
</Routes>
</Router>
);
};
export default App;
login.js
import './App.css';
import React, { useState } from 'react';
import { BrowserRouter as Router, Route, useNavigate, Routes } from 'react-router-dom';
const Login = () \Rightarrow {
  const [username, setUsername] = useState(");
  const [password, setPassword] = useState(");
  const navigate = useNavigate();
  const handleFormSubmit = (e) => {
```

```
e.preventDefault();
     if (username === 'rec' && password === 'rec123') {
       navigate('/Welcome', { replace: true });
     } else {
       navigate('/Signup', { replace: true });
    }
  };
  return (
    <div>
       <h1>Login</h1>
       <div id="box">
         <form autoComplete='off' onSubmit={handleFormSubmit}>
            Username:<br/>
            <input type="text" required value={username} onChange={(e) =>
setUsername(e.target.value)}/><br/>br/><br/>
            Password:<br/>
            <input type="password" required value={password} onChange={(e) =>
setPassword(e.target.value)}/><br/>br/><br/>
            <input type="submit" value="Login" />
         </form>
       </div>
    </div>
  );
 };
export default Login;
Signup.js
import './App.css';
import { BrowserRouter as Router, Route, useNavigate, Routes } from 'react-router-dom';
const Signup = () \Rightarrow {
  const navigate = useNavigate();
```

```
const handleFormSubmit = (e) => {
    navigate('/Welcome', { replace: true });
  };
  return (
    <div>
       <h1>Sign Up</h1>
       <div id="box">
         <form autoComplete="off" onSubmit={handleFormSubmit}>
           Username:<br/>
           <input type="text" required /><br /><br />
           Email:<br/>
           <input type="text" required /><br /><br />
           Password:<br/>
           <input type="password" required /><br /><br />
           <input type="submit" value="Register" />
         </form>
       </div>
    </div>
  );
};
export default Signup;
Welcome.js
import React from 'react';
  const Welcome = () => {
    return (
       <div>
         <h1>Welcome to REC!</h1>
       </div>
    );
  };
export default Welcome;
```

App.css

```
#box{
  border:2px solid black;
  height:300px;
  width:300px;
  position:absolute;
  left:470px;
  top:150px;
  font-size:20px;
  padding:20px;
}
input[type="submit"]{
  font-size:20px;
}
```

Index.js

```
import React from 'react';
import { createRoot } from 'react-dom/client';
import App from './App';
const root = document.getElementById('root');
const reactRoot = createRoot(root);
reactRoot.render(<App />);
```

Result:

Thus the given design was successfully developed and the output was verified.