>md reactApp

>cd reactApp

reactApp>npm init

...

... choose packename reactApp and answer all default questions

at the end press y

===================.babelrc

Configure the .babelrc file in the root of the project as shown below-

reactApp>\type nul>.babelrc

Add the following code in **.babelrc** file

{

"presets": ["es2015", "react"]

}

=====================index.html

<!DOCTYPE html>

<html lang = "en">

<head>

<meta charset = "UTF-8">

<title>React Router Tutorial</title>

</head>

<body>

<div id = "app"></div>

<script type = "text/javascript" src = "bundle.js"></script>

</body>

</html>

========================in package.json

"scripts": {

"start": "webpack-dev-server --hot"

},

==========================webpack.config.js

module.exports = {

entry: './app/main.js',

output: {

filename: 'bundle.js'

},

module: {

loaders: [

{

loader: 'babel-loader',

test: /\.js$/,

exclude: /node\_modules/

}

]

},

devServer: {

port: 8099

}

};

================================create following file in app folder

=================================App.js

import React, { Component } from 'react';

import { BrowserRouter as Router, Switch, Route, Link } from 'react-router-dom';

import Home from './Home';

import Login from './Login';

class App extends Component {

render() {

return (

<Router>

<div>

<h2>Welcome to React Router Tutorial</h2>

<ul>

<li><Link to={'/'}>Home</Link></li>

<li><Link to={'/Login'}>Login</Link></li>

</ul>

<hr />

<Switch>

<Route exact path='/' component={Home} />

<Route exact path='/Login' component={Login} />

</Switch>

</div>

</Router>

);

}

}

export default App;

==============================Main.js

import React from 'react';

import { render } from 'react-dom';

import App from './App';

render(<App />, document.getElementById('app'));

==============================Home.js

import React, { Component } from 'react';

class Home extends Component {

render() {

return (

<div>

<h2>Home</h2>

</div>

);

}

}

export default Home;

===============================Login.js

import React, { Component } from 'react';

import ReactDOM from 'react-dom';

class Login extends Component {

render() {

return (

<div>

<h2>Login</h2>

</div>

);

}

}

export default Login;

reactApp>npm install -g babel

reactApp>npm install -g babel-cli

reactApp>npm install webpack --save

reactApp>npm install webpack-dev-server --save

reactApp>npm install react --save

reactApp>npm install react-dom –save

reactApp>npm install react-router-dom

reactApp >npm install babel-core

reactApp >npm install babel-loader

reactApp >npm install babel-preset-react

reactApp >npm install babel-preset-es2015

reactApp >npm install webpack-dev-server -g

>npm start

check in http://localhost:8090

Step 1 - Install a React Router

A simple way to install the **react-router** is to run the following code snippet in the **command prompt** window.

C:\Users\username\Desktop\reactApp>npm install react-router-dom

Create a file as index.html in a root directory and the following code -

<!DOCTYPE html>

<html lang = "en">

<head>

<meta charset = "UTF-8">

<title>React Router Tutorial</title>

</head>

<body>

<div id = "app"></div>

<script type = "text/javascript" src = "bundle.js"></script>

</body>

</html>

To configure webpack.config.js file, add the following code in webpack.config.js

module.exports = {

entry: './app/main.js',

output: {

filename: 'bundle.js'

},

module: {

loaders: [

{

loader: 'babel-loader',

test: /\.js$/,

exclude: /node\_modules/

}

]

},

devServer: {

port: 7777

}

};

Step 2 - Add a Router

Now, we will add routes to the app. Instead of rendering **App** element like in the previous example, create a directory named as **App** and create files and named as main.js and App.js

Main.js

import React from 'react';

import { render } from 'react-dom';

import App from './App';

render(<App />, document.getElementById('app'));

App.js

import React, { Component } from 'react';

import { BrowserRouter as Router, Switch, Route, Link } from 'react-router-dom';

import Home from './Home';

import Login from './Login';

class App extends Component {

render() {

return (

<Router>

<div>

<h2>Welcome to React Router Tutorial</h2>

<ul>

<li><Link to={'/'}>Home</Link></li>

<li><Link to={'/Login'}>Login</Link></li>

</ul>

<hr />

<Switch>

<Route exact path='/' component={Home} />

<Route exact path='/Login' component={Login} />

</Switch>

</div>

</Router>

);

}

}

export default App;

Step 3 - Create Components

In this step, we will create two components as (**Home**)and (**Login**) in App directory.

Home.js

import React, { Component } from 'react';

class Home extends Component {

render() {

return (

<div>

<h2>Home</h2>

</div>

);

}

}

export default Home;

Login.js

import React, { Component } from 'react';

import ReactDOM from 'react-dom';

class Login extends Component {

render() {

return (

<div>

<h2>Login</h2>

</div>

);

}

}

export default Login;

When the app is started, we will see two clickable links that can be used to change the route.

