

Ubah file src > App.js

```
import React from 'react';
import {BrowserRouter, Route} from 'react-router-dom';

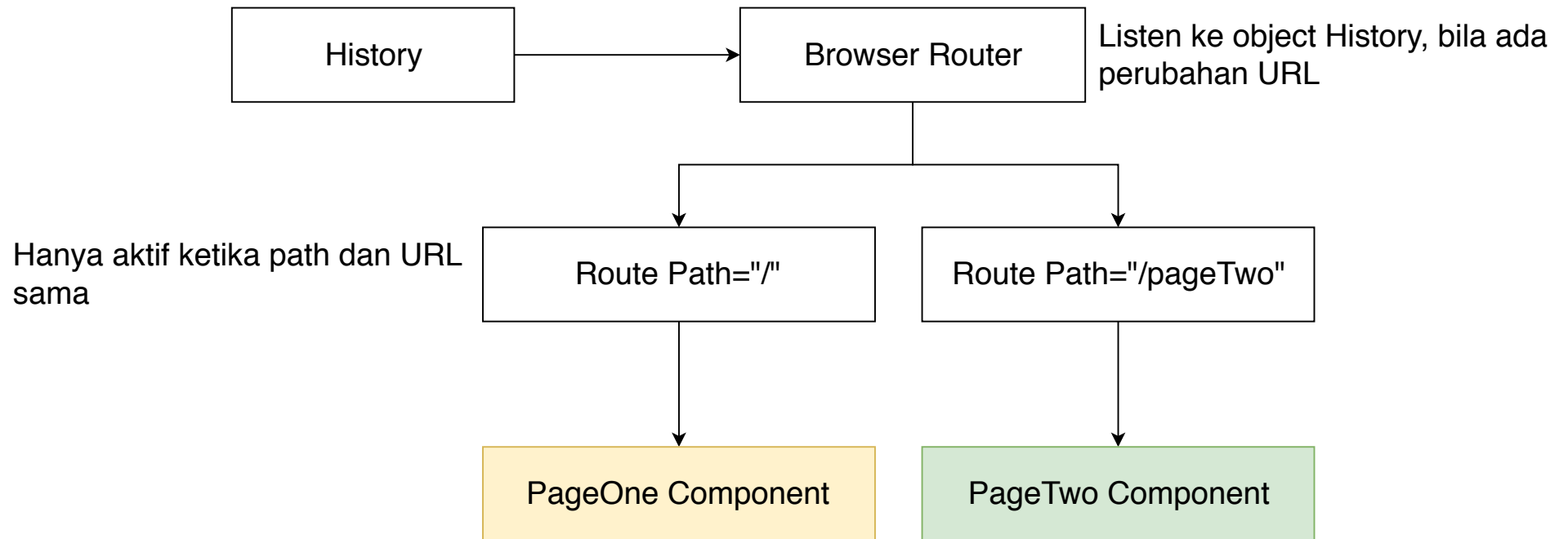
const PageOne = () => {
  return <div>Page 1</div>
};

const PageTwo = () => {
  return <div>Page 2</div>
};

class App extends React.Component {
  render() {
    return (
      <div>
        <BrowserRouter>
          <div>
            <Route path="/" exact component={PageOne}/>
            <Route path="/pageTwo" component={PageTwo}/>
          </div>
        </BrowserRouter>
      </div>
    )
  }
}

export default App;
```

Memantau address bar yang ada  
di browser



Ubah file src > App.js

```
...  
const PageOne = () => {  
  return (  
    <div>  
      Page 1  
      <a href="/pageTwo">Ke Halaman 2</a>  
    </div>  
  )  
};  
  
const PageTwo = () => {  
  return (  
    <div>  
      Page 2  
      <a href="/">Ke Halaman Awal</a>  
    </div>  
  )  
};  
...
```

**BAD NAVIGATION !!!**

Tag <a/> dengan href /pageTwo di click

Browser membuat request baru ke  
http://localhost:3000/pageTwo

Server merespon dan memberikan index.html  
baru

Browser menerima index.html dan membuang  
index.html lama beserta state yang kita punya

Browser mengeksekusi javascript file yang baru

Aplikasi kita muncul dilayar

Ubah file src > App.js

```
import {BrowserRouter, Link, Route} from 'react-router-dom';
...
const PageOne = () => {
  return (
    <div>
      Page 1
      <Link to="/pageTwo">Ke Halaman 2</Link>
    </div>
  )
};

const PageTwo = () => {
  return (
    <div>
      Page 2
      <Link to="/">Ke Halaman Awal</Link>
    </div>
  )
};
...
```

## Router Type

BrowserRouter

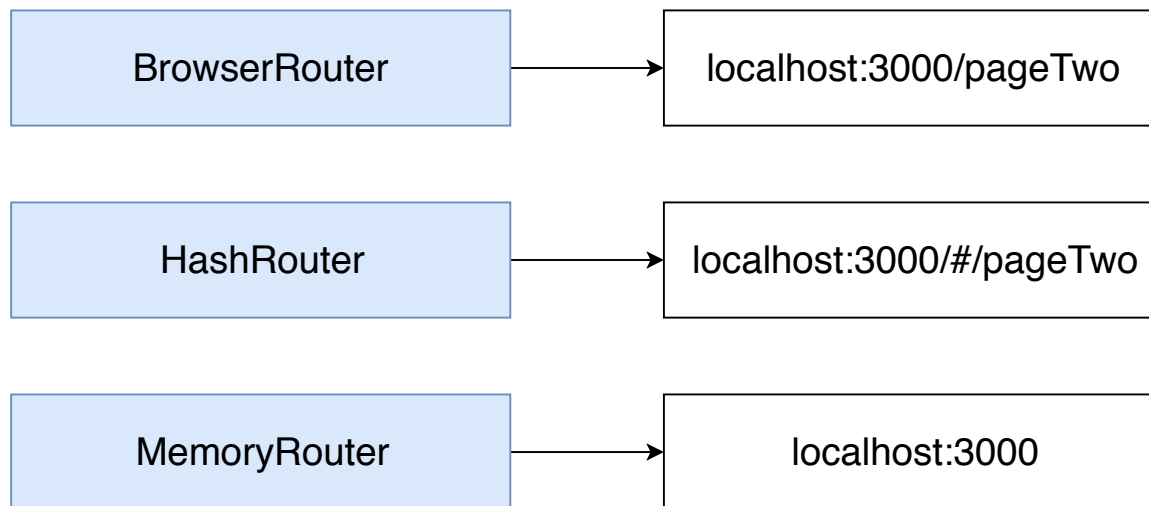
localhost:3000/pageTwo

HashRouter

localhost:3000/#/pageTwo

MemoryRouter

localhost:3000



create file src > components > Header.js

```
import React from 'react';
import {Link} from "react-router-dom";

const Header = () => {
  return (
    <div>
      <h1>My App (this header is visible all the
time)</h1>
      <Link to="/">Home</Link>
    </div>
  )
}

export default Header;
```

Ubah file src > App.js

```
import React from 'react';
import {BrowserRouter, Route} from 'react-router-dom';
import Header from './components/Header';

class App extends React.Component {
  render() {
    return (
      <div>
        <Header />
        <BrowserRouter>
          <div>
            <Route path="/" exact component={PageOne}/>
            <Route path="/pageTwo" component={PageTwo}/>
          </div>
        </BrowserRouter>
      </div>
    )
  }
}

export default App;
```

Ubah file src > App.js

```
import React from 'react';
import {BrowserRouter, Route} from 'react-router-dom';
import Header from './components/Header';

class App extends React.Component {
  render() {
    return (
      <div>
        <BrowserRouter>
          <Header />
          <div>
            <Route path="/" exact component={PageOne}/>
            <Route path="/pageTwo" component={PageTwo}/>
          </div>
        </BrowserRouter>
      </div>
    )
  }
}

export default App;
```



Buat file src > components > Admin.js

```
import React from 'react';
import {Link, Route} from "react-router-dom";

const PageUser = () => {
  return (
    <div>
      Page User Admin
    </div>
  )
};

const Admin = () => {
  return (
    <div>
      <Link to="/admin/user">User Admin</Link>
      <Route path="/admin/user" component={PageUser}></Route>
    </div>
  )
}

export default Admin;
```

Ubah file src > App.js

```
import Admin from "./components/Admin";
...
class App extends React.Component {
  render() {
    return (
      <div>
        <BrowserRouter>
          <Header/>
          <div>
            <Route path="/" exact component={PageOne}/>
            <Route path="/pageTwo" component={PageTwo}/>
            <Route path="/admin" component={Admin}/>
          </div>
        </BrowserRouter>
      </div>
    )
  }
}
...
```

Ubah file src > Header.js

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

const Header = () => {
  return (
    <div>
      <h1>My App (this header is visible all the time)
    </h1>
    <Link to="/">Home</Link>
    <Link to="/admin">Admin</Link>
    </div>
  )
}
...
```

Ubah file src > App.js

```
...

const PageTwo = () => {
  return (
    <div>
      Page 2
      <Link to="/pageThree/3">Ke Halaman 3</Link>
    </div>
  )
};

const PageThree = (props) => {
  return (
    <div>
      Page {props.match.params.num}
      <Link to="/">Ke Halaman Awal</Link>
    </div>
  )
};

class App extends React.Component {
  ...
  <div>
    <Route path="/" exact component={PageOne}/>
    <Route path="/pageTwo" component={PageTwo}/>
    <Route path="/pageThree/:num" component={PageThree}/>
    <Route path="/admin" component={Admin}/>
  </div>
  ...
}
```