LAPORAN TUGAS
PEMROGRAMAN WEB LANJUT
REACT JS

DISUSUN OLEH :

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REACT JS

Tugas kali ini bertutjuan untuk membuat Project dengan react, yang berisi halaman list postingan dan profil yang di baca dari JSON. Desain halaman sesuai selera praktikan masing-masing.

1. Buat Projek dengan React.js, blog bisa diubah dengan nama projek yang anda suka. Dan disini saya menggunakan nama blog saya ginting.pertamakita harus memastikan bahwa kita sudah dalam folder yang kita inginkan.setelah itu lakukkan installasi react js dengan mengetik npx create-react-app ginting.tunggu sampai proses selesai.

```
C:\Users\Rahmat Ginting\PWL-ITERA>npx create-react-app ginting

Creating a new React app in C:\Users\Rahmat Ginting\PWL-ITERA\ginting.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

> core-js@2.6.11 postinstall C:\Users\Rahmat Ginting\PWL-ITERA\ginting\node_modules\babel-runtime\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> core-js@3.6.5 postinstall C:\Users\Rahmat Ginting\PWL-ITERA\ginting\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> core-js-pure@3.6.5 postinstall C:\Users\Rahmat Ginting\PWL-ITERA\ginting\node_modules\core-js-pure
> node -e "try{require('./postinstall')}catch(e){}"

+ cra-template@1.0.3
+ react-scripts@3.4.1
+ react@16.13.1
+ react-dom@16.13.1
added 1606 packages from 750 contributors and audited 931196 packages in 1373.377s

58 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

Installing template dependencies using npm...
[.................] - rollbackFailedOptional: verb npm-session bd7755f39c5abfec
```

```
Success! Created ginting at C:\Users\Rahmat Ginting\PWL-ITERA\ginting
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd ginting
  npm start

Happy hacking!

C:\Users\Rahmat Ginting\PWL-ITERA>
```

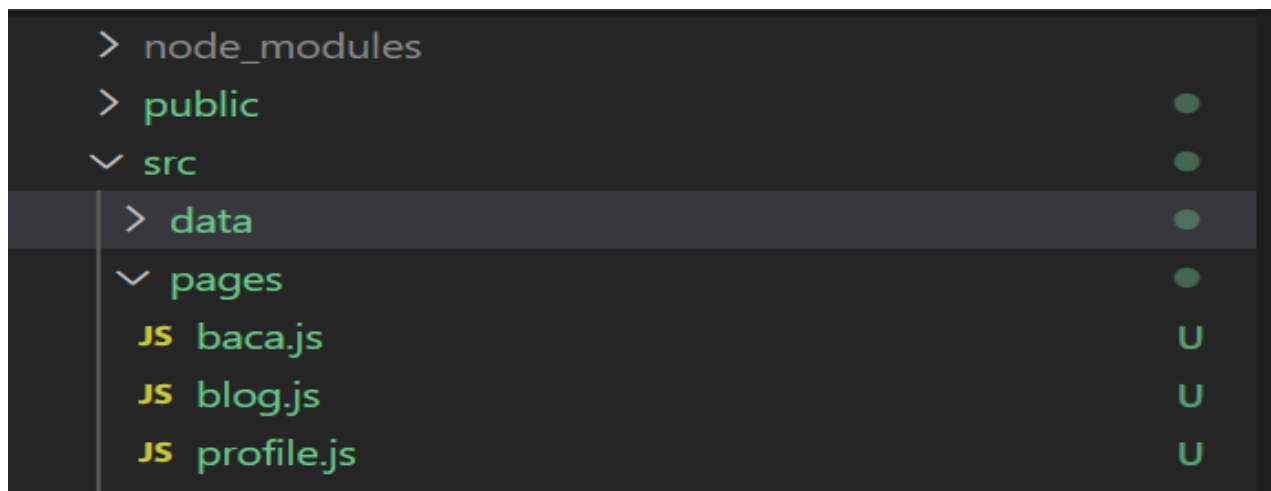Gambar diatas akan mucul jia anda berhasil menginstall react Js

2. Masuk ke projek dan pasang `react-router-dom` (yarn add/npm install) pada proyek.

   Disini saya mengunaka npm install react-router-dom.

3. Buat folder bernama `pages` di dalam folder `src`, serta isikan berkas `profile.js`,

   `baca.js, blog.js`.

a.Blog.js

ginting > src > pages > JS blog.js > [∅] default

```jsx
1    import React from 'react'
2
3    class Blog extends React.Component{
4        render(){
5            return(
6                <h1>Blog Goblog</h1>
7            )
8        }
9    }
10   export default Blog;
```

b.Profile.js

ginting > src > pages > JS profile.js > [∅] default

```jsx
1    import React from 'react'
2
3    class Propil extends React.Component{
4        render(){
5            return <h1>Profile saya</h1>
6        }
7    }
8    export default Propil;
```

c.Baca.js

```
Welcome        JS profile.js   ●    JS baca.js   ●    JS blog.js   ●

ginting > src > pages > JS baca.js > ⚡ Baca
   1    import React from 'react'
   2
   3    class Baca extends React.Component{
   4        render(){
   5            const{params} = this.props.match;
   6            return(
   7                <>
   8                <h1>Judul keleng mama ginting</h1>
   9                <p>{params.id}</p>
  10                </>
  11            )
  12        }
  13    }
```

4. Buat folder bernama `data` di dalam folder `src`, serta isikan berkas `data.js`.

```
> node_modules
> public                                          ●
∨ src                                              ●
  ∨ data                                           ●
    JS data.js                                     U
```

a. Buat Array berisi obyek : `Blog` dan `Profile`, sesuaikan value dari elemen yang ada dengan keinginan anda.

```js
1    let Blogs =[
2        {
3        "id": 0,
4        "judul": "Judul",
5        "deskripsi": "Deskripsi disini",
6        "konten": "isinya suka suka yang buat"
7        },
8        {
9            "id": 1,
10       "judul": "Gadak judul",
11       "deskripsi": "gadak Deskripsi disini",
12       "konten": "ini jg gada isinya suka suka yang buat"
13       }
14   ];
15
16   let Profile = {
17       "name": "RAHMAT GINTING",
18       "about": "Orang sukses yang tertunda,karna terkendala ketamvanan",
19       "github": "https://github.com/ginting24"
20   };
21
```

b. Kemudian buat fungsi mempermudah akses data (controller-like)

```js
18   );
19
20   export function allBlog(){
21     return Blogs
22   }
23   export function fetchBlog(id){
24     return Blogs.map((data)=>{
25         if(data.id == id){
26            return data
27         }
28     })
29   }
30
31   export function profiles(){
32     return Profile
33   }
34
35   // If you want your app to work offline and load faster, you can change
36   // unregister() to register() below. Note this comes with some pitfalls.
37   // Learn more about service workers: https://bit.ly/CRA-PWA
38   serviceWorker.unregister();
39
```

5. Kemudian import `Blog`, `Profile` dan `react-router-dom`   .

```
ginting > src > JS index.js > ...
  1  import React from 'react';
  2  import ReactDOM from 'react-dom';
  3  import './index.css';
  4  import App from './App';
  5  import * as serviceWorker from './serviceWorker';
  6  import App from './App';
  7  import Blog from './pages/blog';
  8  import Propil from './pages/profile';
  9  import Baca from './pages/baca';
 10  import * as serviceWorker from './serviceWorker';
 11  import {Route,Link, BrowserRouter as Router} from 'react-router-dom';
 12
```

a.
b. Lalu   hubungkan   komponen   dengan   alamat URL   (Routing)
Belum sempat saya lakukkan

Gunakan fungsi pada data.js untuk query data pada JSON , kemudian tampilkan data menjadi tampilan komponen UI , UI = f(data).

Contoh hasil yang diinginkan :

- **Profile**

- **Blog**

- **Baca**