

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import App from './App';
import { BrowserRouter } from 'react-router-dom';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <BrowserRouter>
      <App />
    </BrowserRouter>
  </React.StrictMode>
);
```

```
import React from 'react';

import { Link, Routes, Route } from "react-router-dom";

import Department from './pages/Department';
import Professor from './pages/Professor';
import Student from './pages/Student';

const App = () => {
  return (
    <div>
      <h1>Exam03</h1>
      <nav>
        <Link to="/department">학과목록</Link>&nbsp;|&nbsp;
        <Link to="/professor">교수목록</Link>&nbsp;|&nbsp;
        <Link to="/student">학생목록</Link>
      </nav>
      <hr />

      <Routes>
        <Route path="/department" element={<Department/>} />
        <Route path="/professor" element={<Professor/>} />
        <Route path="/student" element={<Student/>} />
      </Routes>
    </div>
  );
};
```

```
export default App;
```

pages/Department.js

```
import React from 'react';

import myschool from '../myschool';

const Department = () => {
  const {department} = myschool;

  return (
    <div>
      <table border='1'>
        <thead>
          <tr>
            <th>학과번호</th>
            <th>학과이름</th>
            <th>위치</th>
          </tr>
        </thead>
        <tbody>
          {department.map((v, i) => {
            return(
              <tr>
                <td>{v.id}</td>
                <td>{v.dname}</td>
                <td>{v.loc}</td>
              </tr>
            );
          })}
        </tbody>
      </table>
    </div>
  );
};

export default Department;
```

pages/Professor.js

```
import React from 'react';

import myschool from '../myschool';

const Professor = () => {
  const {professor} = myschool;
```

```

    return (
      <div>
        <table border='1'>
          <thead>
            <tr>
              <th>교수번호</th>
              <th>교수이름</th>
              <th>아이디</th>
              <th>직급</th>
              <th>급여</th>
              <th>입사일</th>
              <th>보직수당</th>
              <th>소속학과번호</th>
            </tr>
          </thead>
          <tbody>
            {professor.map((v, i) => {
              return(
                <tr>
                  <td>{v.id}</td>
                  <td>{v.name}</td>
                  <td>{v.userid}</td>
                  <td>{v.position}</td>
                  <td>{v.sal}</td>
                  <td>{v.hiredate.substring(0, 10)}</td>
                  <td>{v.comm}</td>
                  <td>{v.deptno}</td>
                </tr>
              );
            })}
          </tbody>
        </table>
      </div>
    );
  };

export default Professor;

```

pages/Student.js

```

import React from 'react';

import myschool from '../myschool';

const Student = () => {
  const {student} = myschool;

  return (
    <div>
      <table border='1'>
        <thead>

```

```

        <tr>
            <th>학생번호</th>
            <th>학생이름</th>
            <th>학년</th>
            <th>아이디</th>
            <th>주민번호</th>
            <th>생년월일</th>
            <th>연락처</th>
            <th>키</th>
            <th>몸무게</th>
            <th>소속학과번호</th>
            <th>담당교수번호</th>
        </tr>
    </thead>
    <tbody>
        {student.map((v, i) => {
            return(
                <tr key={i}>
                    <td>{v.id}</td>
                    <td>{v.name}</td>
                    <td>{v.userid}</td>
                    <td>{v.grade}</td>
                    <td>{v.idnum.substring(0,6)}-*****</td>
                    <td>{v.birthdate.substring(0,10)}</td>
                    <td>{v.tel}</td>
                    <td>{v.height}</td>
                    <td>{v.weight}</td>
                    <td>{v.deptno}</td>
                    <td>{v.profno}</td>
                </tr>
            );
        })}
    </tbody>
</table>
</div>
);
};

export default Student;

```