

## App

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

import Department from "../pages/Department"
import Professor from "../pages/Professor"
import Student from "../pages/Student"

function App() {
  return (
    <div>
      <h1>Exam03</h1>
      <nav>
        <a href="/department">학과목록</a>&nbsp;|&nbsp;&nbsp;&nbsp;
        <a href="/professor">교수목록</a>&nbsp;|&nbsp;&nbsp;&nbsp;
        <a href="/student">학생목록</a>
      </nav>
      <hr/>
      <Routes>
        <Route path="/department" element={<Department/>} />
        <Route path="/professor" element={<Professor/>} />
        <Route path="/student" element={<Student/>} />
      </Routes>
    </div>
  );
}

export default App;
```

## department

```
import React from "react";

import mySchool from "../mySchool"

const Department = () => {
  return (
    <div>
      <table width="300px" border="1">
        <thead>
          <tr align="Center">
            <th>학과번호</th>
            <th>학과이름</th>
            <th>위치</th>
          </tr>
        </thead>
        <tbody>
          {
```

```

        mySchool.department.map((item, index) => {
          return(
            <tr key={index + "a"}>
              <td key={index}>{item.id}</td>
              <td key={index + "b"}>{item.dname}</td>
              <td key={index + "c"}>{item.loc}</td>
            </tr>
          )
        })
      </tbody>
    </table>
  </div>
)
}

export default Department

```

← → ↻ ⓘ localhost:3000/department

## Exam03

[학과목록](#) | [교수목록](#) | [학생목록](#)

학과번호	학과이름	위치
101	컴퓨터공학과	1호관
102	멀티미디어학과	2호관
201	전자공학과	3호관
202	기계공학과	4호관

professor

```

import React from "react";

import mySchool from "../mySchool"

const Professor = () => {
  return (
    <div>
      <table border="1">

```

```

        <thead align="center">
            <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>
            {
                mySchool.professor.map((item, index) => {
                    return(
                        <tr key={index}>
                            <td key={index + 'a'}>
                                {item.id}
                            </td>
                            <td key={index + 'b'}>
                                {item.name}
                            </td>
                            <td key={index + 'c'}>
                                {item.userid}
                            </td>
                            <td key={index + 'd'}>
                                {item.position}
                            </td>
                            <td key={index + 'e'}>
                                {item.sal}
                            </td>
                            <td key={index + 'f'}>
                                {item.hiredate.substring(0,10)}
                            </td>
                            <td key={index + 'g'}>
                                {item.comm}
                            </td>
                            <td key={index + 'h'}>
                                {item.deptno}
                            </td>
                        </tr>
                    )
                })
            }
        </tbody>
    </table>
</div>
)
}

export default Professor

```

# Exam03

[학과목록](#) | [교수목록](#) | [학생목록](#)

교수번호	교수이름	아이디	직급	급여	입사일	보직수당	소속학과번호
9901	김도훈	capool	교수	500	1982-06-11	20	101
9902	이재우	sweat413	조교수	320	1995-04-11		201
9903	성연희	pascal	조교수	360	1993-03-16	15	101
9904	염일웅	blue77	전임강사	240	1998-10-10		102
9905	권혁일	refresh	교수	450	1986-02-10	25	102
9906	이만식	pocari	부교수	420	1988-07-10		101
9907	전은지	totoro	전임강사	210	2001-05-10		101
9908	남은혁	bird13	부교수	400	1990-10-17	17	202

student

```
import React from "react";

import mySchool from "../mySchool"

const Student = () => {
  return (
    <div>
      <table border="1">
        <thead align="center">
          <tr>
            <th>학생번호</th>
            <th>학생이름</th>
            <th>아이디</th>
            <th>학년</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>
          {
            mySchool.student.map((item, index) => {
              return(
```

```

        <tr key={index}>
          <td key={index + "a"}>
            {item.id}
          </td>
          <td key={index + "b"}>
            {item.name}
          </td>
          <td key={index + "c"}>
            {item.userid}
          </td>
          <td key={index + "d"}>
            {item.grade}
          </td>
          <td key={index + "e"}>
            {item.idnum.substring(0,6) + "-" +
item.idnum.substring(6,7) + "*****"}
          </td>
          <td key={index + "f"}>
            {item.birthdate.substring(0,10)}
          </td>
          <td key={index + "g"}>
            {item.tel}
          </td>
          <td key={index + "h"}>
            {item.height}
          </td>
          <td key={index + "i"}>
            {item.weight}
          </td>
          <td key={index + "j"}>
            {item.deptno}
          </td>
          <td key={index + "k"}>
            {item.profno}
          </td>
        </tr>
      )
    }
  }
</tbody>
</table>
</div>
)
}

export default Student

```

< > ↺
localhost:3000/student

## Exam03

[학과목록](#) | [교수목록](#) | [학생목록](#)

학생번호	학생이름	아이디	학년	주민번호	생년월일	연락처	키	몸무게	소속학과번호	담당교수번호
10101	전인하	jun123	4	790702-1*****	1979-07-01	051)781-2158	176	72	101	9903
10102	박미경	ansel414	1	840516-2*****	1984-05-15	055)261-8947	168	52	101	
10103	김영균	mandu	3	810321-1*****	1981-03-20	051)824-9637	170	88	101	9906
10104	지은경	gomo00	2	800412-2*****	1980-04-11	055)418-9627	161	42	101	9907
10105	임유진	youjin12	2	830121-2*****	1983-01-20	02)312-9838	171	54	101	9907
10106	서재진	seolly	1	851129-1*****	1985-11-28	051)239-4861	186	72	101	
10107	이광훈	huriky	4	810913-1*****	1981-09-12	055)736-4981	175	92	101	9903
10108	류민정	cleansky	2	810819-2*****	1981-08-18	055)248-3679	162	72	101	9907
10201	김진영	simply	2	820606-2*****	1982-06-05	055)419-6328	164	48	102	9905
10202	오유석	yousuk	4	770912-1*****	1977-09-11	051)724-9618	177	92	102	9905
10203	하나리	hanal	1	850109-2*****	1985-01-08	055)296-3784	160	68	102	
10204	윤진욱	samba7	3	790402-1*****	1979-04-01	053)487-2698	171	70	102	9905
20101	이동훈	dals	1	831210-1*****	1983-12-09	055)426-1752	172	64	201	
20102	박동진	ping2	1	851124-1*****	1985-11-23	051)742-6384	182	70	201	
20103	김진경	lovely	2	830228-2*****	1983-02-27	052)175-3941	166	51	201	9902
20104	조명훈	rader214	1	841214-1*****	1984-12-13	02)785-6984	184	62	201	

## useparams 사용하기

### App

```

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

import Use from "../pages/Use";

function App() {
  return (
    <div>
      <h1>Exam03</h1>
      <nav>
        <a href="/department">학과목록</a>&nbsp;&nbsp;&nbsp;|&nbsp;&nbsp;&nbsp;
        <a href="/professor">교수목록</a>&nbsp;&nbsp;&nbsp;|&nbsp;&nbsp;&nbsp;
        <a href="/student">학생목록</a>
      </nav>
      <hr/>
      <Routes>
        <Route path="/:value" element={<Use/>} />
      </Routes>
    </div>
  );
}

```

```
}

export default App;
```

```
import React from "react";

import { useParams } from "react-router-dom";

import mySchool from "../mySchool"

const Use = () => {
  const site = useParams()
  if (site.value === "department") {
    return (
      <div>
        <table width="300px" border="1">
          <thead>
            <tr align="Center">
              <th>학과번호</th>
              <th>학과이름</th>
              <th>위치</th>
            </tr>
          </thead>
          <tbody>
            {
              mySchool.department.map((item, index) => {
                return(
                  <tr key={index + "a"}>
                    <td key={index}>{item.id}</td>
                    <td key={index + "b"}>{item.dname}</td>
                    <td key={index + "c"}>{item.loc}</td>
                  </tr>
                )
              })
            }
          </tbody>
        </table>
      </div>
    )
  } else if ( site.value === "professor") {
    return (
      <div>
        <table border="1">
          <thead align="center">
            <tr>
              <th>교수번호</th>
              <th>교수이름</th>
              <th>아이디</th>
              <th>직급</th>
              <th>급여</th>
              <th>입사일</th>
            </tr>
          </thead>
          <tbody>
            {
              mySchool.professor.map((item, index) => {
                return(
                  <tr key={index + "a"}>
                    <td key={index}>{item.id}</td>
                    <td key={index + "b"}>{item.dname}</td>
                    <td key={index + "c"}>{item.loc}</td>
                    <td key={index + "d"}>{item.job}</td>
                    <td key={index + "e"}>{item.sal}</td>
                    <td key={index + "f"}>{item.hiredate}</td>
                  </tr>
                )
              })
            }
          </tbody>
        </table>
      </div>
    )
  }
}
```

```

        <th>보직수당</th>
        <th>소속학과번호</th>
    </tr>
</thead>
<tbody>
{
    mySchool.professor.map((item, index) => {
        return(
            <tr key={index}>
                <td key={index + 'a'}>
                    {item.id}
                </td>
                <td key={index + 'b'}>
                    {item.name}
                </td>
                <td key={index + 'c'}>
                    {item.userid}
                </td>
                <td key={index + 'd'}>
                    {item.position}
                </td>
                <td key={index + 'e'}>
                    {item.sal}
                </td>
                <td key={index + 'f'}>
                    {item.hiredate.substring(0,10)}
                </td>
                <td key={index + 'g'}>
                    {item.comm}
                </td>
                <td key={index + 'h'}>
                    {item.deptno}
                </td>
            </tr>
        )
    })
}
</tbody>
</table>
</div>
)
} else if ( site.value === "student") {
    return (
        <div>
            <table border="1">
                <thead align="center">
                    <tr>
                        <th>학생번호</th>
                        <th>학생이름</th>
                        <th>아이디</th>
                        <th>학년</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>
{
    mySchool.student.map((item, index) => {
        return(
            <tr key={index}>
                <td key={index + "a"}>
                    {item.id}
                </td>
                <td key={index + "b"}>
                    {item.name}
                </td>
                <td key={index + "c"}>
                    {item.userid}
                </td>
                <td key={index + "d"}>
                    {item.grade}
                </td>
                <td key={index + "e"}>
                    {item.idnum.substring(0,6) + "-" +
item.idnum.substring(6,7) + "*****"}
                </td>
                <td key={index + "f"}>
                    {item.birthdate.substring(0,10)}
                </td>
                <td key={index + "g"}>
                    {item.tel}
                </td>
                <td key={index + "h"}>
                    {item.height}
                </td>
                <td key={index + "i"}>
                    {item.weight}
                </td>
                <td key={index + "j"}>
                    {item.deptno}
                </td>
                <td key={index + "k"}>
                    {item.profno}
                </td>
            </tr>
        )
    })
}
</tbody>
</table>
</div>
)
}

```

```
}
```

```
export default Use
```