

React(3) 연습문제 홍승택

/Component/DataPath.js

```
import React from 'react';
import { useParams } from 'react-router-dom';
import Data from '../Data.js';
const DataPath = () => {
  const params = useParams();
  const listName = params.lN;
  const head = Object.keys(Data[listName][0]);
  const createListItems = (v) => {
    let tr = [];
    let i = 0;
    for (const k in v) {
      let dt = v[k];
      if(k==='idnum'){
        dt = v[k].substring(0,6) + "-*****";
      }
      tr.push(<td key={i}><strong>{dt}</strong></td>);
      i++;
    }
    return tr;
  }
  return (
    <div>
      <h2>학과정보</h2>
      <table border="1" cellPadding="7">
        <thead>
          <tr>
            {head.map(v => {
              return (<td>{v}</td>);
            })}
          </tr>
        </thead>
        <tbody>
          {Data[listName].map((v, i) => {
            console.log(v);
            return (
              <tr key={i}>{createListItems(v)}</tr>
            )
          })}
        </tbody>
      </table>
    </div>
  );
};

export default DataPath
```

[illegible]

```
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>
);
```

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localhost:3000

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Exam03

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실행 결과 - 학과정보 화면

localhost:3000/dataPath/department

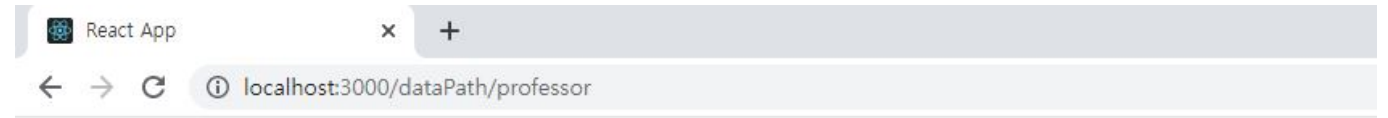
Exam03

[학과정보](#) [교수정보](#) [학생정보](#)

학과정보

id	dname	loc
101	컴퓨터공학과	1호관
102	멀티미디어학과	2호관
201	전자공학과	3호관
202	기계공학과	4호관

실행 결과 - 교수정보 화면



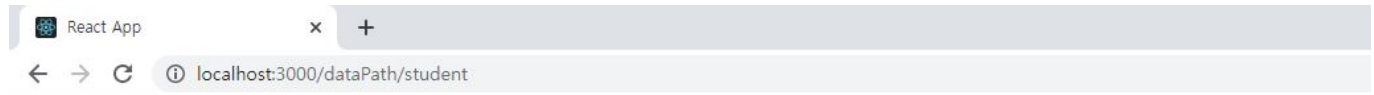
Exam03

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학과정보

id	name	userid	position	sal	hiredate	comm	deptno
9901	김도훈	capool	교수	500	1982-06-11T15:00:00.000Z	20	101
9902	이재우	sweat413	조교수	320	1995-04-11T15:00:00.000Z		201
9903	성연희	pascal	조교수	360	1993-03-16T15:00:00.000Z	15	101
9904	염일웅	blue77	전임강사	240	1998-10-10T15:00:00.000Z		102
9905	권혁일	refresh	교수	450	1986-02-10T15:00:00.000Z	25	102
9906	이만식	pocari	부교수	420	1988-07-10T14:00:00.000Z		101
9907	전은지	totoro	전임강사	210	2001-05-10T15:00:00.000Z		101
9908	남은혁	bird13	부교수	400	1990-10-17T15:00:00.000Z	17	202

실행 결과 - 학생정보 화면



Exam03

[학과정보](#) [교수정보](#) [학생정보](#)

학과정보

id	name	userid	grade	idnum	birthdate	tel	height	weight	deptno	profno
10101	전인하	jun123	4	7907021369824	1979-07-01T15:00:00.000Z	051)781-2158	176	72	101	9903
10102	박미경	ansel414	1	8405162123648	1984-05-15T15:00:00.000Z	055)261-8947	168	52	101	
10103	김영균	mandu	3	8103211063421	1981-03-20T15:00:00.000Z	051)824-9637	170	88	101	9906
10104	지은경	gomo00	2	8004122298371	1980-04-11T15:00:00.000Z	055)418-9627	161	42	101	9907
10105	임유진	youjin12	2	8301212196482	1983-01-20T15:00:00.000Z	02)312-9838	171	54	101	9907
10106	서재진	seolly	1	8511291186273	1985-11-28T15:00:00.000Z	051)239-4861	186	72	101	
10107	이광훈	huriky	4	8109131276431	1981-09-12T15:00:00.000Z	055)736-4981	175	92	101	9903
10108	류민정	cleansky	2	8108192157498	1981-08-18T15:00:00.000Z	055)248-3679	162	72	101	9907
10201	김진영	simply	2	8206062186327	1982-06-05T15:00:00.000Z	055)419-6328	164	48	102	9905
10202	오유석	yousuk	4	7709121128379	1977-09-11T15:00:00.000Z	051)724-9618	177	92	102	9905
10203	하나리	hanal	1	8501092378641	1985-01-08T15:00:00.000Z	055)296-3784	160	68	102	
10204	윤진욱	samba7	3	7904021358671	1979-04-01T15:00:00.000Z	053)487-2698	171	70	102	9905
20101	이동훈	dals	1	8312101128467	1983-12-09T15:00:00.000Z	055)426-1752	172	64	201	
20102	박동진	ping2	1	8511241639826	1985-11-23T15:00:00.000Z	051)742-6384	182	70	201	
20103	김진경	lovely	2	8302282169387	1983-02-27T15:00:00.000Z	052)175-3941	166	51	201	9902
20104	조명훈	rader214	1	8412141254963	1984-12-13T15:00:00.000Z	02)785-6984	184	62	201	

사용한 데이터

Data.js

```
const data = {
  // 학과목록
  "department": [
    { "id": 101, "dname": "컴퓨터공학과", "loc": "1호관" },
    { "id": 102, "dname": "멀티미디어학과", "loc": "2호관" },
    { "id": 201, "dname": "전자공학과", "loc": "3호관" },
    { "id": 202, "dname": "기계공학과", "loc": "4호관" }
  ],
  // 교수목록
  "professor": [
    {
      "id": 9901,
      "name": "김도훈",
      "userid": "capool",

```

```
    "position": "교수",
    "sal": 500,
    "hiredate": "1982-06-11T15:00:00.000Z",
    "comm": 20,
    "deptno": 101
  },
  {
    "id": 9902,
    "name": "이재우",
    "userid": "sweat413",
    "position": "조교수",
    "sal": 320,
    "hiredate": "1995-04-11T15:00:00.000Z",
    "comm": null,
    "deptno": 201
  },
  {
    "id": 9903,
    "name": "성연희",
    "userid": "pascal",
    "position": "조교수",
    "sal": 360,
    "hiredate": "1993-03-16T15:00:00.000Z",
    "comm": 15,
    "deptno": 101
  },
  {
    "id": 9904,
    "name": "염일웅",
    "userid": "blue77",
    "position": "전임강사",
    "sal": 240,
    "hiredate": "1998-10-10T15:00:00.000Z",
    "comm": null,
    "deptno": 102
  },
  {
    "id": 9905,
    "name": "권혁일",
    "userid": "refresh",
    "position": "교수",
    "sal": 450,
    "hiredate": "1986-02-10T15:00:00.000Z",
    "comm": 25,
    "deptno": 102
  },
  {
    "id": 9906,
    "name": "이만식",
    "userid": "pocari",
    "position": "부교수",
    "sal": 420,
    "hiredate": "1988-07-10T14:00:00.000Z",
    "comm": null,
```

```

        "deptno": 101
    },
    {
        "id": 9907,
        "name": "전은지",
        "userid": "totoro",
        "position": "전임강사",
        "sal": 210,
        "hiredate": "2001-05-10T15:00:00.000Z",
        "comm": null,
        "deptno": 101
    },
    {
        "id": 9908,
        "name": "남은혁",
        "userid": "bird13",
        "position": "부교수",
        "sal": 400,
        "hiredate": "1990-10-17T15:00:00.000Z",
        "comm": 17,
        "deptno": 202
    }
],
// 학생목록
"student": [
    {
        "id": 10101,
        "name": "전인하",
        "userid": "jun123",
        "grade": 4,
        "idnum": "7907021369824",
        "birthdate": "1979-07-01T15:00:00.000Z",
        "tel": "051)781-2158",
        "height": 176,
        "weight": 72,
        "deptno": 101,
        "profno": 9903
    },
    {
        "id": 10102,
        "name": "박미경",
        "userid": "ansel414",
        "grade": 1,
        "idnum": "8405162123648",
        "birthdate": "1984-05-15T15:00:00.000Z",
        "tel": "055)261-8947",
        "height": 168,
        "weight": 52,
        "deptno": 101,
        "profno": null
    },
    {
        "id": 10103,
        "name": "김영균",

```

```
    "userid": "mandu",
    "grade": 3,
    "idnum": "8103211063421",
    "birthdate": "1981-03-20T15:00:00.000Z",
    "tel": "051)824-9637",
    "height": 170,
    "weight": 88,
    "deptno": 101,
    "profno": 9906
  },
  {
    "id": 10104,
    "name": "지은경",
    "userid": "gomo00",
    "grade": 2,
    "idnum": "8004122298371",
    "birthdate": "1980-04-11T15:00:00.000Z",
    "tel": "055)418-9627",
    "height": 161,
    "weight": 42,
    "deptno": 101,
    "profno": 9907
  },
  {
    "id": 10105,
    "name": "임유진",
    "userid": "youjin12",
    "grade": 2,
    "idnum": "8301212196482",
    "birthdate": "1983-01-20T15:00:00.000Z",
    "tel": "02)312-9838",
    "height": 171,
    "weight": 54,
    "deptno": 101,
    "profno": 9907
  },
  {
    "id": 10106,
    "name": "서재진",
    "userid": "seolly",
    "grade": 1,
    "idnum": "8511291186273",
    "birthdate": "1985-11-28T15:00:00.000Z",
    "tel": "051)239-4861",
    "height": 186,
    "weight": 72,
    "deptno": 101,
    "profno": null
  },
  {
    "id": 10107,
    "name": "이광훈",
    "userid": "huriky",
    "grade": 4,
```



```
    "idnum": "8109131276431",
    "birthdate": "1981-09-12T15:00:00.000Z",
    "tel": "055)736-4981",
    "height": 175,
    "weight": 92,
    "deptno": 101,
    "profno": 9903
  },
  {
    "id": 10108,
    "name": "류민정",
    "userid": "cleansky",
    "grade": 2,
    "idnum": "8108192157498",
    "birthdate": "1981-08-18T15:00:00.000Z",
    "tel": "055)248-3679",
    "height": 162,
    "weight": 72,
    "deptno": 101,
    "profno": 9907
  },
  {
    "id": 10201,
    "name": "김진영",
    "userid": "simply",
    "grade": 2,
    "idnum": "8206062186327",
    "birthdate": "1982-06-05T15:00:00.000Z",
    "tel": "055)419-6328",
    "height": 164,
    "weight": 48,
    "deptno": 102,
    "profno": 9905
  },
  {
    "id": 10202,
    "name": "오유석",
    "userid": "yousuk",
    "grade": 4,
    "idnum": "7709121128379",
    "birthdate": "1977-09-11T15:00:00.000Z",
    "tel": "051)724-9618",
    "height": 177,
    "weight": 92,
    "deptno": 102,
    "profno": 9905
  },
  {
    "id": 10203,
    "name": "하나리",
    "userid": "hanal",
    "grade": 1,
    "idnum": "8501092378641",
    "birthdate": "1985-01-08T15:00:00.000Z",
```

```
    "tel": "055)296-3784",
    "height": 160,
    "weight": 68,
    "deptno": 102,
    "profno": null
  },
  {
    "id": 10204,
    "name": "윤진욱",
    "userid": "samba7",
    "grade": 3,
    "idnum": "7904021358671",
    "birthdate": "1979-04-01T15:00:00.000Z",
    "tel": "053)487-2698",
    "height": 171,
    "weight": 70,
    "deptno": 102,
    "profno": 9905
  },
  {
    "id": 20101,
    "name": "이동훈",
    "userid": "dals",
    "grade": 1,
    "idnum": "8312101128467",
    "birthdate": "1983-12-09T15:00:00.000Z",
    "tel": "055)426-1752",
    "height": 172,
    "weight": 64,
    "deptno": 201,
    "profno": null
  },
  {
    "id": 20102,
    "name": "박동진",
    "userid": "ping2",
    "grade": 1,
    "idnum": "8511241639826",
    "birthdate": "1985-11-23T15:00:00.000Z",
    "tel": "051)742-6384",
    "height": 182,
    "weight": 70,
    "deptno": 201,
    "profno": null
  },
  {
    "id": 20103,
    "name": "김진경",
    "userid": "lovely",
    "grade": 2,
    "idnum": "8302282169387",
    "birthdate": "1983-02-27T15:00:00.000Z",
    "tel": "052)175-3941",
    "height": 166,
```

```
        "weight": 51,  
        "deptno": 201,  
        "profno": 9902  
    },  
    {  
        "id": 20104,  
        "name": "조명훈",  
        "userid": "rader214",  
        "grade": 1,  
        "idnum": "8412141254963",  
        "birthdate": "1984-12-13T15:00:00.000Z",  
        "tel": "02)785-6984",  
        "height": 184,  
        "weight": 62,  
        "deptno": 201,  
        "profno": null  
    }  
]  
};  
  
export default data;
```