

왕혜수 연습문제

22-04-27

App.js

```
import React from 'react';
import { Link, Routes, Route } from 'react-router-dom';
import data from './GradeData';
import GradeTable from './components/GradeTable';
import Meta from './components/Meta';
const App = () => {
  return (
    <div>
      <Meta title="React 연습문제" />
      <h1>성적표</h1>
      <nav>
        <Link to="/grade_table/1">1학년</Link>&nbsp;&nbsp;&nbsp;|&nbsp;&nbsp;&nbsp;
        <Link to="/grade_table/2">2학년</Link>&nbsp;&nbsp;&nbsp;|&nbsp;&nbsp;&nbsp;
        <Link to="/grade_table/3">3학년</Link>&nbsp;&nbsp;&nbsp;|&nbsp;&nbsp;&nbsp;
        <Link to="/grade_table/4">4학년</Link>
      </nav>
      <hr />
      <Routes>
        <Route
          path="/grade_table/1"
          element={<GradeTable arr={data['1학년']} title="1학년" />}
        ></Route>
        <Route
          path="/grade_table/2"
          element={<GradeTable arr={data['2학년']} title="2학년" />}
        ></Route>
        <Route
          path="/grade_table/3"
          element={<GradeTable arr={data['3학년']} title="3학년" />}
        ></Route>
        <Route
          path="/grade_table/4"
          element={<GradeTable arr={data['4학년']} title="4학년" />}
        ></Route>
      </Routes>
    </div>
  );
};
export default App;
```

GradeTable.js

```
import React from 'react';
import Meta from './Meta';
import GradeItem from './GradeItem';

const GradeTable = ({ arr, title }) => {
  return (
    <div>
      <Meta title={` ${title}:::React연습문제` } />
      <h2>{title}</h2>
      <table border={1}>
        <thead>
          <tr aling="center">
            <th>
              <strong>이름</strong>
            </th>
            <th>
              <strong>성별</strong>
            </th>
            <th>
              <strong>국어</strong>
            </th>
            <th>
              <strong>영어</strong>
            </th>
            <th>
              <strong>수학</strong>
            </th>
            <th>
              <strong>과학</strong>
            </th>
            <th>
              <strong>총점</strong>
            </th>
            <th>
              <strong>평균</strong>
            </th>
          </tr>
        </thead>
        <tbody>
          {arr.map((v, i) => {
            return (
              <GradeItem
                name={v['이름']}
                sex={v['성별']}
                kor={v['국어']}
                eng={v['영어']}
                math={v['수학']}
                sinc={v['과학']}
              />
            );
          })}
        </tbody>
      </table>
    </div>
  );
}
```

```
    </div>
  );
};

export default GradeTable;
```

GradeItem.js

```
import React from 'react';
import PropTypes from 'prop-types';

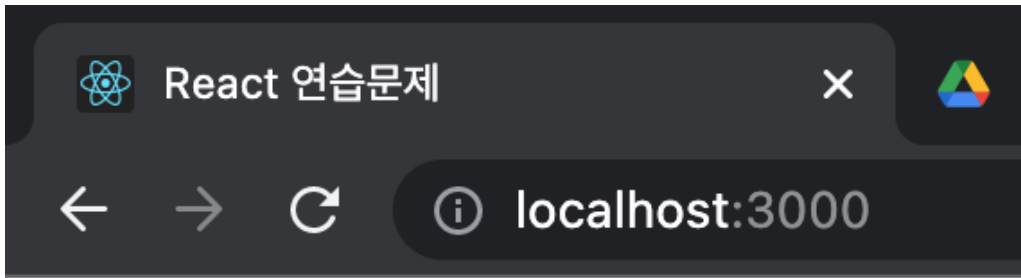
const GradeItem = ({ name, sex, kor, eng, math, sinc }) => {
  const sum = parseInt(kor + eng + math + sinc);
  const avg = parseInt(sum / 4);
  return (
    <tr align="center">
      <td>
        <strong>{name}</strong>
      </td>
      <td>
        <strong>{sex}</strong>
      </td>
      <td>{kor}</td>
      <td>{eng}</td>
      <td>{math}</td>
      <td>{sinc}</td>

      <td>
        <strong>{sum}</strong>
      </td>
      <td>
        <strong>{avg}</strong>
      </td>
    </tr>
  );
};

GradeItem.propTypes = {
  name: PropTypes.string.isRequired,
  sex: PropTypes.string.isRequired,
  kor: PropTypes.number.isRequired,
  eng: PropTypes.number.isRequired,
  math: PropTypes.number.isRequired,
  sinc: PropTypes.number.isRequired,
};

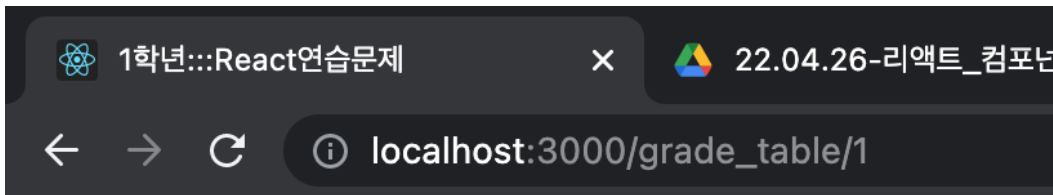
GradeItem.defaultProps = {
  kor: 0,
  eng: 0,
  math: 0,
  sinc: 0,
};
```

```
export default GradeItem;
```



성적표

[1학년](#) | [2학년](#) | [3학년](#) | [4학년](#)

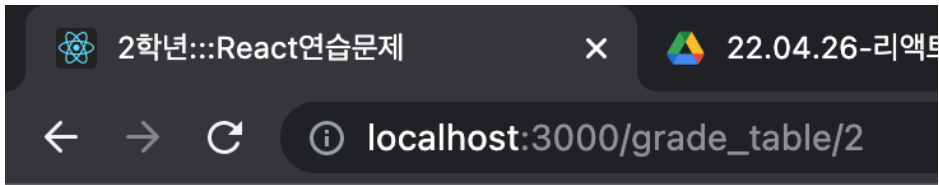


성적표

[1학년](#) | [2학년](#) | [3학년](#) | [4학년](#)

1학년

이름	성별	국어	영어	수학	과학	총점	평균
철수	남자	98	78	88	64	328	82
민수	남자	92	70	76	78	316	79

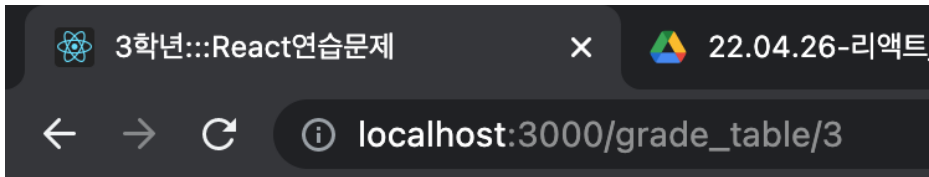


성적표

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2학년

이름	성별	국어	영어	수학	과학	총점	평균
영희	여자	88	78	62	72	300	75
하영	여자	78	0	83	91	252	63
철호	남자	91	98	82	76	347	86



성적표

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3학년

이름	성별	국어	영어	수학	과학	총점	평균
수현	여자	63	60	61	0	184	46
철희	남자	82	88	80	85	335	83
민희	남자	95	81	90	70	336	84
수진	남자	91	90	95	82	358	89