

## 연습문제 04 폴이

### /src/index.js

문제 요구사항에서 Route를 처리하지 않아도 된다고 했으므로 `<BrowserRouter>`를 사용하지 않음.

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import App from './App';

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

### /src/GradeData.js

```
const GradeData = [
  { "이름": "철수", "학년": 1, "성별": "남자", "국어": 98, "영어": 78, "수학": 88, "과학": 64 },
  { "이름": "영희", "학년": 2, "성별": "여자", "국어": 88, "수학": 62, "과학": 72 },
  { "이름": "민수", "학년": 1, "성별": "남자", "국어": 92, "영어": 70, "수학": 76, "과학": 78 },
  { "이름": "수현", "학년": 3, "성별": "여자", "국어": 63, "영어": 60, "수학": 31 },
  { "이름": "호영", "학년": 4, "성별": "남자", "국어": 88, "영어": 50, "과학": 88 }
];

export default GradeData;
```

### /src/App.js

문제 요구사항에서 Route를 처리하지 않아도 된다고 했으므로 `<Link>`, `<Routes>`, `<Route>`를 사용하지 않음.

```
import React from 'react';

import GradeData from './GradeData';
import GradeItem from './components/GradeItem';

const App = () => {
  return (
```

```

    <div>
      <h1>성적표</h1>
      <hr />
      <table border="1" cellPadding="7">
        <thead>
          <tr align="center">
            <th>이름</th>
            <th>학년</th>
            <th>성별</th>
            <th>국어</th>
            <th>영어</th>
            <th>수학</th>
            <th>과학</th>
            <th>총점</th>
            <th>평균</th>
          </tr>
        </thead>
        <tbody>
          {GradeData.map((v, i) => {
            return (<GradeItem
              key={i}
              name={v.이름}
              level={v.학년}
              sex={v.성별}
              kor={v.국어}
              eng={v.영어}
              math={v.수학}
              sinc={v.과학} />)
          })}
        </tbody>
      </table>
    </div>
  );
};

export default App;

```

/src/components/GradeData.js

```

import React from 'react';

import PropTypes from 'prop-types';

const GradeItem = ({name, level, 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>{level}</strong></td>

```

```
        <td>{sex}</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,
  level: PropTypes.number.isRequired,
  sex: PropTypes.string.isRequired
};

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

export default GradeItem;
```