

2022-04-27

index.js코드

App.js코드

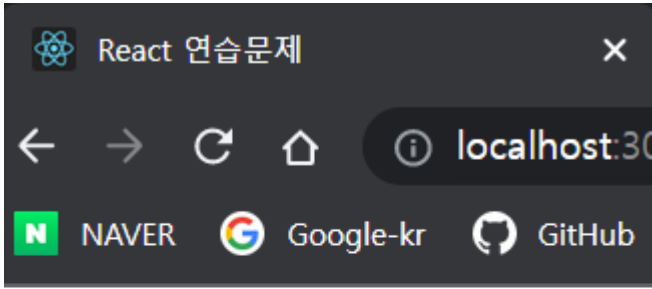
1 / 12

```
        <Route path="/grade_table/2" element={<Grade2/>} />
        <Route path="/grade_table/3" element={<Grade3/>} />
        <Route path="/grade_table/4" element={<Grade4/>} />
      </Routes>
    </div>
  );
}

export default App;
```

메인 타이틀은 변경하였으나, 나머지 페이지별 링크 변경하는 법을 아직 찾지 잘 모르겠어서 이렇게만 보내드립니다...

실행결과의 스크린 샷



성적표

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```
04_3_PRACTICE_TEST
├── node_modules
├── public
│   ├── favicon.ico
│   ├── index.html
│   ├── logo192.png
│   ├── logo512.png
│   ├── manifest.json
│   ├── robots.txt
│   └── src
│       ├── assets
│       ├── components
│       │   ├── GradelItem1.js
│       │   ├── GradelItem2.js
│       │   ├── GradelItem3.js
│       │   └── GradelItem4.js
│       ├── pages
│       │   ├── GraedTable1.js
│       │   ├── GraedTable2.js
│       │   ├── GraedTable3.js
│       │   └── GraedTable4.js
│       ├── App.js
│       ├── GradeData.js
│       └── index.js
├── .gitignore
├── 2022.04.27_이승아.md
├── package.json
├── README.md
└── yarn.lock

public > index.html > html > head
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="utf-8" />
5   <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
6   <meta name="viewport" content="width=device-width, initial-scale=1" />
7   <meta name="theme-color" content="#000000" />
8   <meta
9     name="description"
10    content="Web site created using create-react-app"
11  />
12 <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />
13 <!--
14   manifest.json provides metadata used when your web app is installed on a
15   user's mobile device or desktop. See https://developers.google.com/web/fundamentals/web-
16   -->
17 <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
18 <!--
19   Notice the use of %PUBLIC_URL% in the tags above.
20   It will be replaced with the URL of the `public` folder during the build.
21   Only files inside the `public` folder can be referenced from the HTML.
22   -->
23   Unlike `"/favicon.ico" or "favicon.ico", "%PUBLIC_URL%/favicon.ico" will
24   work correctly both with client-side routing and a non-root public URL.
25   Learn how to configure a non-root public URL by running `npm run build`.
26   -->
27   <title>React 연습문제</title>
28 </head>
29 <body>
30   <noscript>You need to enable JavaScript to run this app.</noscript>
31   <div id="root"></div>
32 <!--
33   This HTML file is a template.
34   If you open it directly in the browser, you will see an empty page.
35   -->
36   You can add webfonts, meta tags, or analytics to this file.
37   The build step will place the bundled scripts into the <body> tag.
38   -->
39   To begin the development, run `npm start` or `yarn start`.
40   To create a production bundle, use `npm run build` or `yarn build`.
41   -->
42 </body>
43 </html>
```

GradeTable1.js코드

```

import React from "react";
import GradeData from "../GradeData";
import GradeItem from "../components/GradeItem1";

const Grade1 = (props) => {
  return (
    <div>
      <h1>1학년</h1>
      <hr />
      <table border="1" cellPadding="7">
        <thead>
          <tr align="center">
            <th>이름</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['1학년'].map((v, i) => {
            return (<GradeItem
              key={i}
              name={v.이름}
              gender={v.성별}
              kor={v.국어}
              eng={v.영어}
              math={v.수학}
              sinc={v.과학} />)
          })}
        </tbody>
      </table>
    </div>
  );
}
export default Grade1;

```

GradeItem1.js코드

```

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

const GradeItem1 = ({name, gender, 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>{gender}</td>
      <td>{kor}</td>
      <td>{eng}</td>
      <td>{math}</td>
      <td>{sinc}</td>
      <td><strong>{sum}</strong></td>
      <td><strong>{avg}</strong></td>
    </tr>);
  };
  GradeItem1.propTypes = {
    name: PropTypes.string.isRequired,
    gender: PropTypes.string.isRequired,
    kor: PropTypes.number.isRequired,
    eng: PropTypes.number.isRequired,
    math: PropTypes.number.isRequired,
    sinc: PropTypes.number.isRequired
  };
  GradeItem1.defaultProps = {
    kor: 0,
    eng: 0,
    math: 0,
    sinc: 0
  };
};
export default GradeItem1;
```

성적표

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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 |

GradeTable2.js코드

```
import React from "react";
import GradeData from "../GradeData";
import GradeItem from "../components/GradeItem2";

const Grade2 = (props) => {
  return (
    <div>
      <h1>2학년</h1>
      <hr />
      <table border="1" cellPadding="7">
        <thead>
          <tr align="center">
            <th>이름</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['2학년'].map((v, i) => {
            return (<GradeItem
              key={i}
              name={v.이름}
              gender={v.성별}
              kor={v.국어}
              eng={v.영어}
              math={v.수학}
              sinc={v.과학} />)
          })}
        </tbody>
      </table>
    </div>
  );
}
export default Grade2;
```

GradeItem2.js코드

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

const GradeItem2 = ({name, gender, 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>{gender}</td>
        <td>{kor}</td>
        <td>{eng}</td>
        <td>{math}</td>
        <td>{sinc}</td>
        <td><strong>{sum}</strong></td>
        <td><strong>{avg}</strong></td>
      </tr>);
    };
    GradeItem2.propTypes = {
      name: PropTypes.string.isRequired,
      gender: PropTypes.string.isRequired,
      kor: PropTypes.number.isRequired,
      eng: PropTypes.number.isRequired,
      math: PropTypes.number.isRequired,
      sinc: PropTypes.number.isRequired
    };
    GradeItem2.defaultProps = {
      kor: 0,
      eng: 0,
      math: 0,
      sinc: 0
    };
  };
  export default GradeItem2;
```

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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 |

GradeTable3.js코드

```
import React from "react";
import GradeData from "../GradeData";
import GradeItem from "../components/GradeItem3";

const Grade3 = (props) => {
  return (
    <div>
      <h1>3학년</h1>
      <hr />
      <table border="1" cellPadding="7">
        <thead>
          <tr align="center">
            <th>이름</th>
            <th>성별</th>
            <th>국어</th>
            <th>영어</th>
            <th>수학</th>
            <th>과학</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td>영희</td>
            <td>여자</td>
            <td>88</td>
            <td>78</td>
            <td>62</td>
            <td>72</td>
            <td>300</td>
            <td>75</td>
          </tr>
          <tr>
            <td>하영</td>
            <td>여자</td>
            <td>78</td>
            <td>0</td>
            <td>83</td>
            <td>91</td>
            <td>252</td>
            <td>63</td>
          </tr>
          <tr>
            <td>철호</td>
            <td>남자</td>
            <td>91</td>
            <td>98</td>
            <td>82</td>
            <td>76</td>
            <td>347</td>
            <td>86</td>
          </tr>
        </tbody>
      </table>
    </div>
  );
};
```



```

        <th>총점</th>
        <th>평균</th>
      </tr>
    </thead>
    <tbody>
    {GradeData['3학년'].map((v, i) => {
      return (<GradeItem
        key={i}
        name={v.이름}
        gender={v.성별}
        kor={v.국어}
        eng={v.영어}
        math={v.수학}
        sinc={v.과학} />)
    })}
    </tbody>
  </table>
</div>
);
}
export default Grade3;

```

GradeItem3.js코드

```

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

const GradeItem3 = ({name, grade, gender, 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>{gender}</td>
    <td>{kor}</td>
    <td>{eng}</td>
    <td>{math}</td>
    <td>{sinc}</td>
    <td><strong>{sum}</strong></td>
    <td><strong>{avg}</strong></td>
  </tr>);
};
GradeItem3.propTypes = {
  name: PropTypes.string.isRequired,
  gender: PropTypes.string.isRequired,
  kor: PropTypes.number.isRequired,
  eng: PropTypes.number.isRequired,
  math: PropTypes.number.isRequired,
  sinc: PropTypes.number.isRequired
};
GradeItem3.defaultProps = {

```

```
      kor: 0,
      eng: 0,
      math: 0,
      sinc: 0
    };
    export default GradeItem3;
```

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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 |

GradeTable4.js코드

```
import React from "react";
import GradeData from "../GradeData";
import GradeItem from "../components/GradeItem4";

const Grade4 = (props) => {
  return (
    <div>
```

```

    <h1>4학년</h1>
    <hr />
    <table border="1" cellPadding="7">
      <thead>
        <tr align="center">
          <th>이름</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[ '4학년' ].map((v, i) => {
          return (<GradeItem
            key={i}
            name={v.이름}
            gender={v.성별}
            kor={v.국어}
            eng={v.영어}
            math={v.수학}
            sinc={v.과학} />)
        })}
      </tbody>
    </table>
  </div>
);
}
export default Grade4;

```

GradeItem4.js코드

```

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

const GradeItem4 = ({name, gender, 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>{gender}</td>
      <td>{kor}</td>
      <td>{eng}</td>
      <td>{math}</td>
      <td>{sinc}</td>
      <td><strong>{sum}</strong></td>
      <td><strong>{avg}</strong></td>
    </tr>
  )
}

```

```

    </tr>);
  };
  GradeItem4.propTypes = {
    name: PropTypes.string.isRequired,
    gender: PropTypes.string.isRequired,
    kor: PropTypes.number.isRequired,
    eng: PropTypes.number.isRequired,
    math: PropTypes.number.isRequired,
    sinc: PropTypes.number.isRequired
  };
  GradeItem4.defaultProps = {
    kor: 0,
    eng: 0,
    math: 0,
    sinc: 0
  };
  export default GradeItem4;

```

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4학년

| 이름 | 성별 | 국어 | 영어 | 수학 | 과학 | 총점 | 평균 |
|----|----|----|----|----|----|-----|----|
| 호영 | 남자 | 88 | 50 | 0 | 88 | 226 | 56 |