Training Project Laboratory Report

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Neptun: KSG25Z

Project title

Description of the project:

Football Website, a website that show the results of the football matches, players of the leagues, the leagues, the table of the league… etc.

Tasks required for the week:

(Tasks you were asked or planned to do in this week, mostly decided in the previous week)

- o Learns more about html.
- o Learns more about CSS.
- o Learns more about Javascript.
- o Learns more about Reactjs.
- o Try to implement all the above topic as much as possible.

Tasks done this week:

(Tasks that you actually finished this week, from the previous list or more)

- ✔ Learned a little bit of CSS.
- ✔ Learned a little bit of Javascript.
- ✔ Learned a little bit of Reactjs.
- ✔ Finally found the perfect API from RapidAPI website for my football website.
- ✔ Fetched all the needed data for the Website.
- ✔ Finally finished all the necessary implementation for my football website.

Code Screenshots:

(Insert some screen shots of your code that you wrote this week, in case your work includes other tasks than coding (e.g., design) include them too)

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```css
.result {
    background-color: rgba(0, 0, 0, 0.5);
    border-top: 1px solid #911928;
    border-bottom: 1px solid #911928;
}

.result #league-logo {
    align-items: center;
    justify-content: center;
    text-align: center;
    color: lightgray;
    text-transform: uppercase;
    font-family: "Agency FB", sans-serif;
    font-size: 30px;
}

.result #league-logo img {
    display: block;
    margin-left: auto;
    margin-right: auto;
    padding: 0px 10px;
    width: 100px;
}

.result #score {
    display: flex;
    align-items: center;
    justify-content: center;
    text-align: center;
    color: lightgray;
    text-transform: uppercase;
    font-family: "Agency FB", sans-serif;
    font-size: 50px;
    padding: 30px 0px;
}
```

```css
.result #point {
    padding: 0px 30px;
    border: 1px solid #911928;
    background-color: black;
    font-weight: bold;
}

.result #score img {
    padding: 0px 10px;
    width: 100px;
}

.League {
    display: inline-block;
    margin-left: 0px;
    overflow-y: hidden;
    padding: 30px 30px;
    border: 2px solid #911928;
    color: lightgray;
    font-family: "Agency FB", sans-serif;
    font-size: 20px;
    background-color: rgba(110, 109, 109, 0.328);
}

.Table th {
    padding: 30px 30px;
    border: 2px solid #911928;
    color: lightgray;
    font-family: "Agency FB", sans-serif;
    font-size: 30px;
    background-color: rgba(0, 0, 0, 0.5);
}
```

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Screenshot 1 (App.css, lines 205–238):

```css
.Table td{
    padding: 30px 30px;
    border: 2px solid #911928;
    color: lightgray;
    font-family: "Agency FB", sans-serif;
    font-size: 30px;
    background-color: rgba(0, 0, 0, 0.5);
}

.Player {
    display: flex;
    padding: 20px 20px;
    background-color: rgba(0, 0, 0, 0.5);
    border-top: 1px solid #911928;
    border-bottom: 1px solid #911928;
    justify-content: space-between;
}

.Player #info {
    display: flex;
    padding: 10px 10px;
    font-size: 30px;
    font-family: "Agency FB", sans-serif;
}

.Player img {
    margin-right: 20px;
    width: 300px;
}

#contact p{
    color: lightgray;
    font-family: "Agency FB", sans-serif;
    font-size: 20px;
```

Screenshot 2 (App.css, lines 234–244):

```css
#contact p{
    color: lightgray;
    font-family: "Agency FB", sans-serif;
    font-size: 20px;
}

footer{
    background-color: black;
    color: #911928;
}
```

fetch-table.js

```javascript
export const fetchTable = async () => {
    const url = 'https://api-football-v1.p.rapidapi.com/leagueTable/524';
    const options = {
        method: 'GET',
        headers: {
            'X-RapidAPI-Key': 'f448caff94msh6a79ca03c354e0ep13ee0bjsna68cc3b025a8',
            'X-RapidAPI-Host': 'api-football-v1.p.rapidapi.com'
        }
    };

    try {
        const response = await fetch(url, options);
        const result = await response.json();
        console.log(result);
        return result;
    } catch (error) {
        console.error(error);
    }
}
```

fetch-player.js

```javascript
export const fetchPlayer = async () => {
    const url = 'https://api-football-v1.p.rapidapi.com/v3/players/topscorers?league=39&season=2020';
    const options = {
        method: 'GET',
        headers: {
            'X-RapidAPI-Key': 'f448caff94msh6a79ca03c354e0ep13ee0bjsna68cc3b025a8',
            'X-RapidAPI-Host': 'api-football-v1.p.rapidapi.com'
        }
    };

    try {
        const response = await fetch(url, options);
        const result = await response.json();
        console.log(result);
        return result;
    } catch (error) {
        console.error(error);
    }
}
```

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Screenshot 1 — fetch-league.js

```javascript
export const fetchLeague = async () => {
    const url = 'https://api-football-v1.p.rapidapi.com/v3/leagues';
    const options = {
        method: 'GET',
        headers: {
            'X-RapidAPI-Key': 'f448caff94msh6a79ca03c354e0ep13ee0bjsna68cc3b025a8',
            'X-RapidAPI-Host': 'api-football-v1.p.rapidapi.com'
        }
    };

    try {
        const response = await fetch(url, options);
        const result = await response.json();
        console.log(result);
        return result;
    } catch (error) {
        console.error(error);
    }
}
```

Screenshot 2 — fetch-result.js

```javascript
export const fetchFixtures = async () => {
    const url = 'https://api-football-v1.p.rapidapi.com/v3/fixtures?live=all';
    const options = {
        method: 'GET',
        headers: {
            'X-RapidAPI-Key': 'f448caff94msh6a79ca03c354e0ep13ee0bjsna68cc3b025a8',
            'X-RapidAPI-Host': 'api-football-v1.p.rapidapi.com'
        }
    };

    try {
        const response = await fetch(url, options);
        const result = await response.json();
        console.log(result);
        return result;
    } catch (error) {
        console.error(error);
    }
}
```

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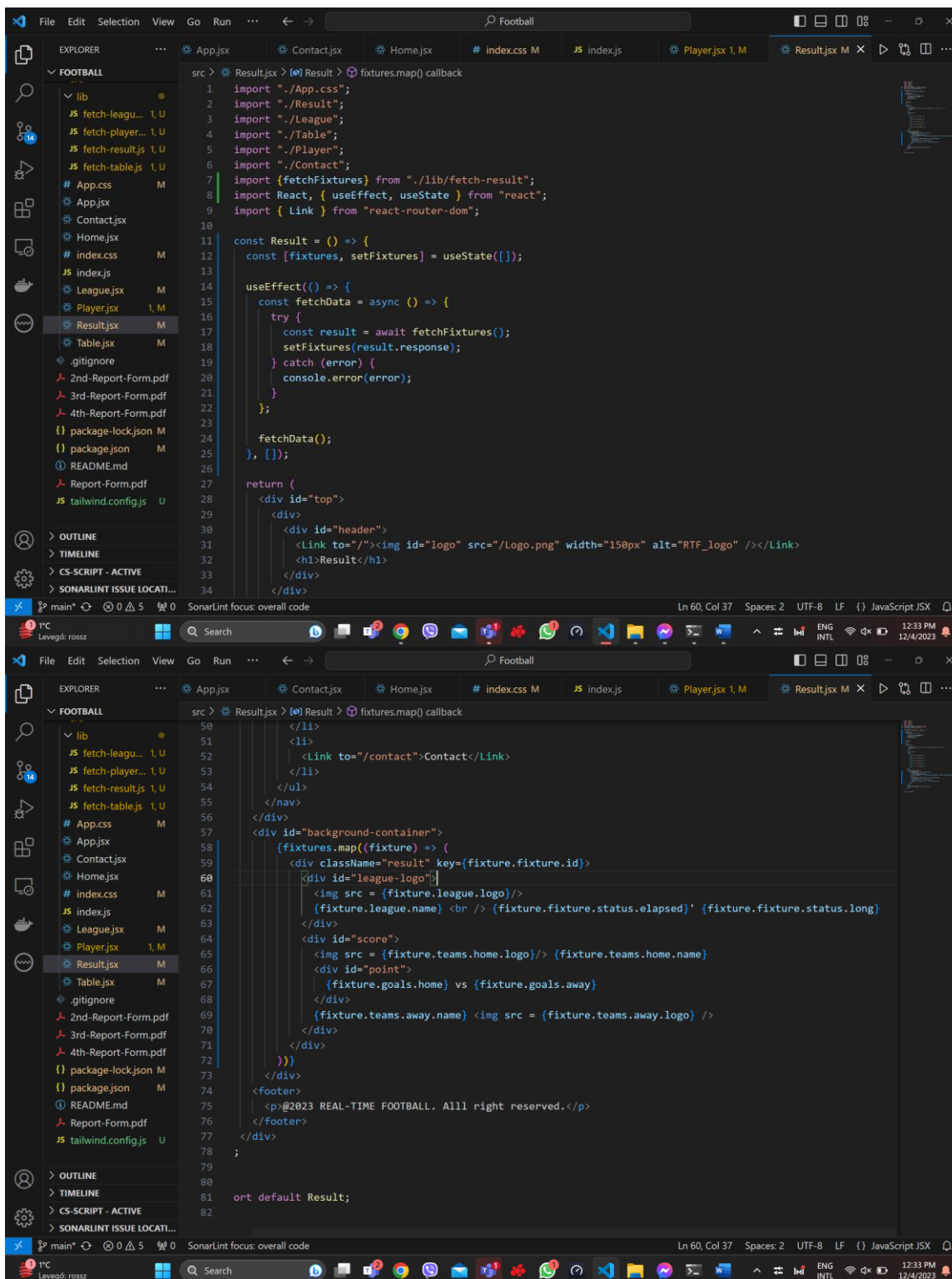Tel: +3614632870, Fax: +3614632871
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```jsx
src > League.jsx > League
1   import "./App.css";
2   import "./Result";
3   import "./League";
4   import "./Table";
5   import "./Player";
6   import "./Contact";
7   import {fetchLeague} from "./lib/fetch-league";
8   import React, { useEffect, useState } from "react";
9   import { Link } from "react-router-dom";
10
11  function League() {
12      const [Leagues, setLeagues] = useState([]);
13
14      useEffect(() => {
15          const fetchData = async () => {
16              try {
17                  const result = await fetchLeague();
18                  setLeagues(result.response);   (local var) error: any
19              } catch (error)
20                  console.error(error);
21              }
22          };
23
24          fetchData();
25      }, []);
26
27      return (
28          <div id="top">
29              <div>
30                  <div id="header">
31                      <Link to="/"><img id="logo" src="/Logo.png" width="150px" alt="RTF_logo" /></Link>
32                      <h1>League</h1>
33                  </div>
34              </div>
```



```jsx
src > League.jsx > League
48              </li>
49              <Link to="/player">Player</Link>
50          </li>
51          <li>
52              <Link to="/contact">Contact</Link>
53          </li>
54      </ul>
55  </nav>
56  </div>
57  <div id="background-container">
58      <h1>
59          These are all the Leagues over the world that this website is covered.
60      </h1>
61      {Leagues.map((leagues) => (
62          <div className="League" key={leagues.league.id}>
63              <img src={leagues.league.logo} />
64              <br />
65              Name: {leagues.league.name}
66              <br />
67              Type: {leagues.league.type}
68              <br />
69              Participated Country: {leagues.country.name}
70          </div>
71      ))}
72  </div>
73  <footer>
74      <p>@2023 REAL-TIME FOOTBALL. Alll right reserved.</p>
75  </footer>
76  </div>
77  );
78  }
79
80  export default League;
81
```

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```jsx
import "./App.css";
import "./Result";
import "./League";
import "./Table";
import "./Player";
import "./Contact";
import {fetchPlayer} from "./lib/fetch-player";
import React, { useEffect, useState } from "react";
import { Link } from "react-router-dom";

function Player() {
  const [Players, setPlayers] = useState([]);

  useEffect(() => {
    const fetchData = async () => {
      try {
        const result = await fetchPlayer();
        setPlayers(result.response);
      } catch (error) {
        console.error(error);
      }
    };

    fetchData();
  }, []);

  return (
    <div id="top">
      <div>
        <div id="header">
          <Link to="/"><img id="logo" src="/Logo.png" width="150px" alt="RTF_logo" /></Link>
          <h1>Player</h1>
        </div>
      </div>
```



```jsx
                <li>
                  <Link to="/contact">Contact</Link>
                </li>
              </ul>
            </nav>
          </div>
          <div id="background-container">
          {Players.map((players) => (
              <div className="Player" key={players.player.id}>
                  <div id="info">
                      <img src={players.player.photo}/>
                      <div>
                        Name: {players.player.firstname} {players.player.lastname}
                        <br />
                        Nationality: {players.player.nationality}
                        <br />
                        Age: {players.player.age}
                        <br />
                        Date of Birth: {players.player.birth.date}
                        <br />
                        Birth Place: {players.player.birth.place}
                        <br />
                        Team: {players.statistics[0].team.name}
                        <br />
                        Goal: {players.statistics[0].goals.total}
                      </div>
                  </div>
                  <img id="team-logo" src={players.statistics[0].team.logo}/>
              </div>
            ))}
          </div>
        </div>
        <footer>
          <p>@2023 REAL-TIME FOOTBALL. Alll right reserved.</p>
```

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Top editor (Result.jsx):

```jsx
import "./App.css";
import "./Result";
import "./League";
import "./Table";
import "./Player";
import "./Contact";
import {fetchFixtures} from "./lib/fetch-result";
import React, { useEffect, useState } from "react";
import { Link } from "react-router-dom";

const Result = () => {
  const [fixtures, setFixtures] = useState([]);

  useEffect(() => {
    const fetchData = async () => {
      try {
        const result = await fetchFixtures();
        setFixtures(result.response);
      } catch (error) {
        console.error(error);
      }
    };

    fetchData();
  }, []);

  return (
    <div id="top">
      <div>
        <div id="header">
          <Link to="/"><img id="logo" src="/Logo.png" width="150px" alt="RTF_logo" /></Link>
          <h1>Result</h1>
        </div>
      </div>
```

Bottom editor (Result.jsx):

```jsx
          </li>
          <li>
            <Link to="/contact">Contact</Link>
          </li>
        </ul>
      </nav>
    </div>
    <div id="background-container">
      {fixtures.map((fixture) => (
        <div className="result" key={fixture.fixture.id}>
          <div id="league-logo">
            <img src = {fixture.league.logo}/>
            {fixture.league.name} <br /> {fixture.fixture.status.elapsed}' {fixture.fixture.status.long}
          </div>
          <div id="score">
            <img src = {fixture.teams.home.logo}/> {fixture.teams.home.name}
            <div id="point">
              {fixture.goals.home} vs {fixture.goals.away}
            </div>
            {fixture.teams.away.name} <img src = {fixture.teams.away.logo} />
          </div>
        </div>
      ))}
    </div>
    <footer>
      <p>@2023 REAL-TIME FOOTBALL. Alll right reserved.</p>
    </footer>
  </div>
  ;


ort default Result;
```

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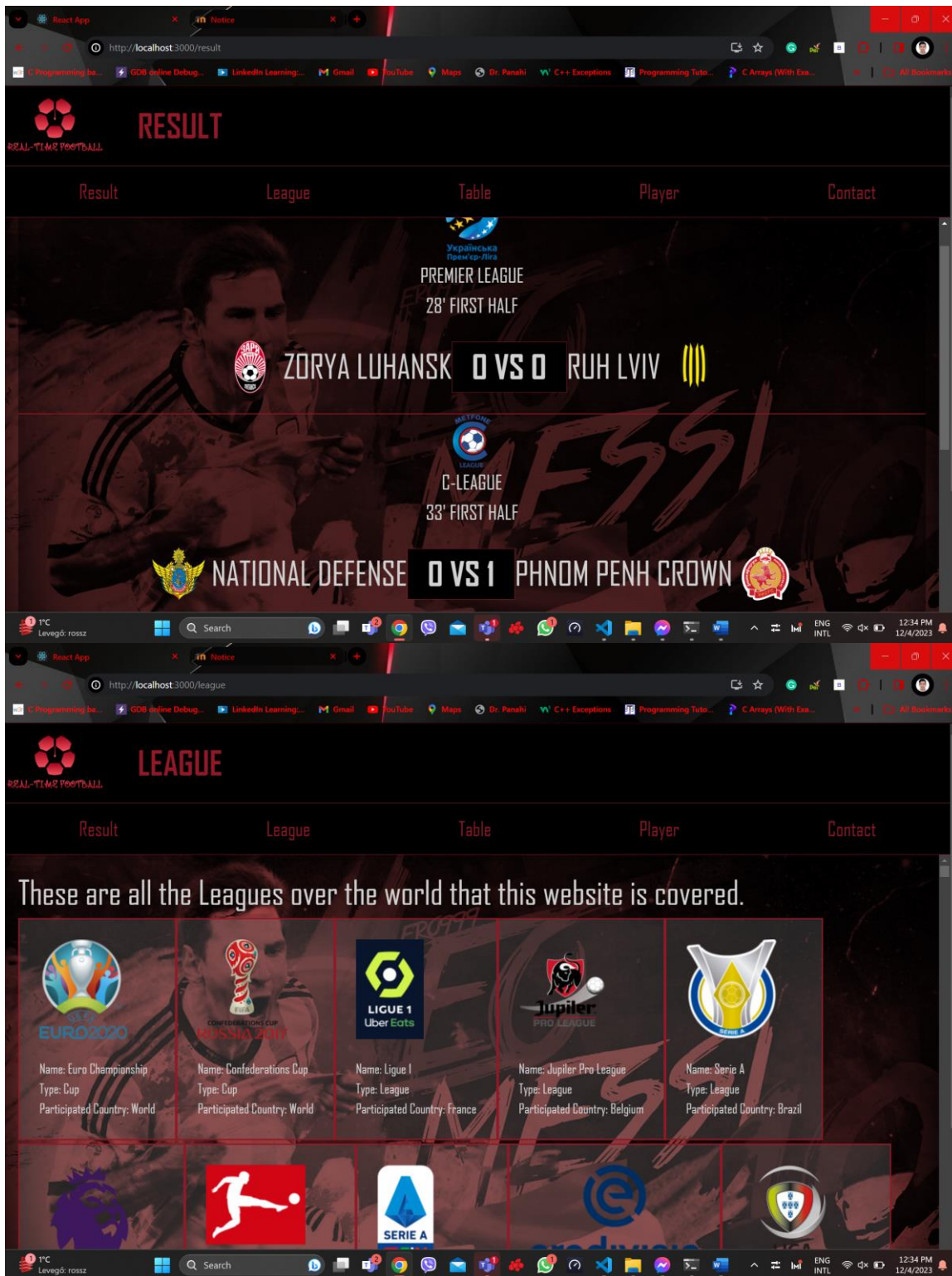Tel: +3614632870, Fax: +3614632871
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```
import "./App.css";
import "./Result";
import "./League";
import "./Table";
import "./Player";
import "./Contact";
import {fetchTable} from "./lib/fetch-table";
import React, { useEffect, useState } from "react";
import { Link } from "react-router-dom";

function Table() {
  const [Tables, setTables] = useState([]);

  useEffect(() => {
    const fetchData = async () => {
      try {
        const result = await fetchTable();
        setTables(result.api.standings[0]);
      } catch (error) {
        console.error(error);
      }
    };

    fetchData();
  }, []);

  return (
    <div id="top">
      <div>
        <div id="header">
          <Link to="/"><img id="logo" src="/Logo.png" width="150px" alt="RTF_logo" /></Link>
          <h1>Table</h1>
        </div>
      </div>
```

```
      <div id="background-container">
        <table className="Table">
          <thead>
            <tr>
              <th>Rank</th>
              <th>Team Name</th>
              <th>Matches Played</th>
              <th>Wins</th>
              <th>Draws</th>
              <th>Losses</th>
              <th>Goals For</th>
              <th>Goals Against</th>
              <th>Goal Difference</th>
              <th>Points</th>
            </tr>
          </thead>
          <tbody>
            {Tables.map((tables) => (
              <tr key={tables.team_id}>
                <td>{tables.rank}</td>
                <td>{tables.teamName}</td>
                <td>{tables.matchsPlayed}</td>
                <td>{tables.win}</td>
                <td>{tables.draw}</td>
                <td>{tables.lose}</td>
                <td>{tables.goalsFor}</td>
                <td>{tables.goalsAgainst}</td>
                <td>{tables.goalsDiff}</td>
                <td>{tables.points}</td>
              </tr>
            ))}
          </tbody>
        </table>
      </div>
```

Results Screenshots:

(If you start getting any results or output of the project insert some screenshots here even if they are not 100% complete)

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TABLE

Rank	Team Name	Matches Played	Wins	Draws	Losses	Goals For	Goals Against	Goal Difference	Points
1	Liverpool	38	32	3	3	85	33	+52	99
2	Manchester City	38	26	3	9	102	35	+67	81
3	Manchester United	38	18	12	8	66	36	+30	66

PLAYER

Team: Manchester United
Goal: 18

Name: Heung-Min Son
Nationality: Korea Republic
Age: 31
Date of Birth: 1992-07-08
Birth Place: Chuncheon
Team: Tottenham
Goal: 17

Name: Patrick James Bamford
Nationality: England

Notes (optional) :
(If you have any question or note, write it here)

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