**WEEK- 6: REACT**

**Exercise-9: ReactJS – HOL**

**1.index.html:**

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="utf-8" />

    <meta name="viewport" content="width=device-width, initial-scale=1" />

    <title>Cricket App</title>

  </head>

  <body>

    <noscript>You need to enable JavaScript to run this app.</noscript>

    <div id="root"></div>

  </body>

</html>

**2.App.js:**

import React from 'react';

import ListofPlayers from './ListofPlayers';

import IndianPlayers from './IndianPlayers';

function App() {

  const flag = true;

  return (

    <div style={{ padding: '20px' }}>

      <h1>Cricket App</h1>

      {flag ? <ListofPlayers /> : <IndianPlayers />}

    </div>

  );

}

export default App;

**3.index.js:**

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>

);

**4.IndianPlayers.js:**

import React from 'react';

function IndianPlayers() {

  const oddPlayers = ['Virat', 'Dhawan', 'Pant', 'Jadeja', 'Shami'];

  const evenPlayers = ['Rohit', 'Rahul', 'Hardik', 'Bhuvneshwar', 'Bumrah', 'Chahal'];

  const [firstOdd, secondOdd, ...remainingOdd] = oddPlayers;

  const [firstEven, secondEven, ...remainingEven] = evenPlayers;

  const T20players = ['Virat', 'Rohit', 'Hardik'];

  const RanjiTrophy = ['Pujara', 'Rahane', 'Saha'];

  const mergedPlayers = [...T20players, ...RanjiTrophy];

  return (

    <div>

      <h2>Odd Team Players</h2>

      <p>First Odd: {firstOdd}</p>

      <p>Second Odd: {secondOdd}</p>

      <p>Remaining Odd: {remainingOdd.join(', ')}</p>

      <h2>Even Team Players</h2>

      <p>First Even: {firstEven}</p>

      <p>Second Even: {secondEven}</p>

      <p>Remaining Even: {remainingEven.join(', ')}</p>

      <h2>Merged Players (T20 + Ranji Trophy)</h2>

      <ul>

        {mergedPlayers.map((player, index) => (

          <li key={index}>{player}</li>

        ))}

      </ul>

    </div>

  );

}

export default IndianPlayers;

**5.ListofPlayers.js:**

import React from 'react';

function ListofPlayers() {

  const players = [

    { name: 'Virat Kohli', score: 85 },

    { name: 'Rohit Sharma', score: 95 },

    { name: 'Shikhar Dhawan', score: 60 },

    { name: 'KL Rahul', score: 75 },

    { name: 'Rishabh Pant', score: 50 },

    { name: 'Hardik Pandya', score: 80 },

    { name: 'Ravindra Jadeja', score: 65 },

    { name: 'Bhuvneshwar Kumar', score: 40 },

    { name: 'Mohammed Shami', score: 55 },

    { name: 'Jasprit Bumrah', score: 90 },

    { name: 'Yuzvendra Chahal', score: 45 }

  ];

  const lowScorers = players.filter(player => player.score < 70);

  return (

    <div>

      <h2>All Players</h2>

      <ul>

        {players.map((player, index) => (

          <li key={index}>{player.name} - {player.score}</li>

        ))}

      </ul>

      <h2>Players with score below 70</h2>

      <ul>

        {lowScorers.map((player, index) => (

          <li key={index}>{player.name} - {player.score}</li>

        ))}

      </ul>

    </div>

  );

}

export default ListofPlayers;

**6.package.json:**

{

  "name": "cricketapp",

  "version": "1.0.0",

  "private": true,

  "dependencies": {

    "react": "^18.0.0",

    "react-dom": "^18.0.0",

    "react-scripts": "5.0.1"

  },

  "scripts": {

    "start": "react-scripts start",

    "build": "react-scripts build",

    "test": "react-scripts test",

    "eject": "react-scripts eject"

  },

  "browserslist": {

    "production": [

      ">0.2%",

      "not dead",

      "not op\_mini all"

    ],

    "development": [

      "last 1 chrome version",

      "last 1 firefox version",

      "last 1 safari version"

    ]

  }

}

**Output:**

A screenshot of a computer

AI-generated content may be incorrect.