

## Experiment 10:

**Develop a React code to collect data from rest API.**

```
npx create-react-app myapp
```

```
cd myapp
```

### **//index.js**

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

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

### **//App.js**

```
import React, { useState, useEffect } from "react";
import axios from "axios";

function DataCollector() {
  const [data, setData] = useState([]);
  useEffect(() => {
    fetchData();
  }, []);
```

```

const fetchData = async () => {
  try {
    const response = await axios.get(
      "https://dummy.restapiexample.com/api/v1/employees"
    );
    setData(response.data.data);
  } catch (error) {
    console.error("Error fetching data:", error);
  }
};

return (
  <div>
    <h2>Data Collection</h2>
    <button onClick={fetchData}>Fetch Data</button>
    <ul>
      {data.map((item, index) => (
        <li key={index}>{item.employee_name}</li>
      ))}
    </ul>
  </div>
);
}

export default DataCollector;

```

**to Run :**

**npm start**



