

Task 1:

o Create a React component that renders a list of items (e.g., a list of fruit names). Use the map() function to render each item in the list

List.js

```
import React from 'react'
```

```
import { useState } from 'react'
```

```
export default function List() {
  const [list, setlist]= useState(["apple","banana","orange","mango","dragonfruit"])
  return (
    <div>
      {list.map((item)=>{
        return (
          <div key={item}>
            <h1>{item}</h1>
          </div>
        )
      })}
    </div>
  )
}
```

App.js

```
import React from 'react'
```

```
import List from './List'
```

```
export default function App() {
  return (
    <div>
      <List/>
    </div>
  )
}
```

Task 2:

o Create a list of users where each user has a unique id. Render the user list using React and assign a unique key to each user

User.js

```
import React from 'react'
```

```
import { useState } from 'react'
```

```
export default function User() {
  const [user, setuser] = useState([
    {name:"Yuvraj", id: 1},
    {name:"Raju", id: 2},
    {name:"Kaju", id: 3},
    {name:"Smith", id: 4},
    {name:"Mohan", id: 5}
  ]);
  return (
    <div>
      {user.map((item)=>{
        return (
          <div key={item.id}>
            <h1>{item.name}</h1>
          </div>
        )
      })}
    </div>
  )
}
```

```
)  
}
```

```
App.js  
import React from 'react'  
import User from './User'
```

```
export default function App() {  
  return (  
    <div>  
      <User/>  
    </div>  
  )  
}
```

Task 3:

o Create a functional component with a counter using the useState() hook. Include buttons to increment and decrement the counter

```
Counter.js  
import React from 'react'  
import { useState } from 'react'  
export default function Counter() {  
  const [counter, setcounter] = useState(0);  
  return (  
    <div style={{fontSize:"50px"}}>  
      <center>  
        <button onClick={()=> setcounter(counter-1)} style={{margin: "10px"}}>-</button>  
        {counter}  
        <button onClick={()=> setcounter(counter+1)} style={{margin: "10px"}}>+</button>  
      </center>  
    </div>  
  )  
}
```

```
App.js  
import React from 'react'  
import Counter from './Counter'
```

```
export default function App() {  
  return (  
    <div>  
      <Counter/>  
    </div>  
  )  
}
```

Task 4:

o Use the useEffect() hook to fetch and display data from an API when the component mounts.

```
App.js  
import React from 'react'  
import Fetchingproduct from './Fetchingproduct'
```

```
export default function App() {  
  return (  
    <div>  
      <Fetchingproduct />  
    </div>  
  )  
}
```

```

    </div>
  )
}
Fetchingapi.js
import React, { use } from 'react'
import { useEffect, useState } from 'react'

export default function Fetchingproduct() {
  const [data, setdata] = useState([]);
  useEffect(() => {
    fetch("https://fakestoreapi.com/products")
      .then((response) => response.json())
      .then((json) => setdata(json))
      .catch((error) => console.log(error))
  }, [])

  return (
    <div>
      {data.map((item) => {
        return (
          <div key={item.id}>
            <h1>{item.title}</h1>
            <img src={item.image} alt={item.title} />
            <p>{item.description}</p>
            <p>Price: INR {item.price}</p>
            <p>Category : {item.category}</p>
            <p>Rating: {item.rating.rate} ({item.rating.count} reviews)</p>
          </div>
        )
      })}
    </div>
  )
}

```