

DICA | BCA

Academic Year 2024-25 | Semester-5

Practical SolutionFaculty: Prof. Chirag K. Sakhrani

Subject: 2104CS512 – JavaScript Framework

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Lab	Туре	Practical
III.	ReactJS	
LAB- 14	A B B C	 Demonstrate the use of map method in ReactJS to display array. Display Faculties stored in array using ReactJS. Display Students stored in array using ReactJS. Display Products stored in array using ReactJS. Display Faculties, Students, Products stored in array using ReactJS with navigation.





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Assignment 1: Demonstrate the use of map method in ReactJS to display array.

File name: App.js

File name: ArrayDisplay.js





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Assignment 2: Display Faculties stored in array using ReactJS.

File name: FacultyDisplay.js





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Assignment 3: Display Students stored in array using ReactJS.

File name: StudentDisplay.js





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Assignment 4: Display Products stored in array using ReactJS.

File name: ProductDisplay.js

```
import React from 'react';
function ProductDisplay() {
 const products = [
   { id: 1, name: 'Laptop', price: '$1000' },
   { id: 2, name: 'Smartphone', price: '$500' },
   { id: 3, name: 'Tablet', price: '$300' },
   { id: 4, name: 'Smartwatch', price: '$200' },
 ];
     <h2>Product List:</h2>
     <l
       {products.map((product) => (
        {product.name} - {product.price}
       ))}
     );
export default ProductDisplay;
```

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```
Assignment 5: Display Faculties, Students, Products stored in array using ReactJS with navigation.
```

File name: NavigationBar.js

```
// NavigationBar.js
import React from 'react';
import { Outlet } from 'react-router-dom';
import { useNavigate } from 'react-router-dom';
function NavigationBar() {
  const navigate = useNavigate()
  return (
   <div>
      <u1>
        <button onClick={()=>navigate('/')}>app</button>
        <button onClick={()=>navigate('/array')}>Array</button>
        <button onClick={()=>navigate('/faculty')}>Faculty</button>
        <button onClick={()=>navigate('/student')}>Student</button>
        <button onClick={()=>navigate('/product')}>Product</button>
      <Outlet />
    </div>
  );
export default NavigationBar;
```

File name: index.js





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