

React JS Training Content day - 6

1. What is functional component ?

Ans : React Functional component is a function which does not allow state or lifecycle in its scope like class component. to maintain state we use React Hooks named `useState`. this component return `jsx` and we can pass props like class component. Functional components are easier to read, debug, and test. React Functional component offer performance benefits, decreased coupling, and greater reusability.

2. What is `useEffect` method in React ?

Ans : `useEffect` is Hook which is used in functional component having a callback argument and dependency to perform the side-effect in component. some side-effect are fetching data from api (server), updating Document Object Model. `useEffect` run on every change happen in component.

Sample code

```
import React,{ useState }from 'react';

function Employee() {

  const [employeeId, setEmployeeId] = useState(123);

  const [employeeName, setEmployeeName] = useState("");

  const [address, setAddress] = useState("");

  const onSubmit = ()=>{

    console.log(employeeId, employeeName, address);

  }

  return (

    <>

    <h1>Employee</h1>

    {employeeId}

    <div className='form-group'>
```

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```
        <label>Employee Id</label>

        <input type="text" className='form-control'
onChange={(e)=>setEmployeeId(e.target.value)} />

    </div>

    <div className='form-group'>

        <label>Employee Name</label>

        <input type="text" className='form-control'
onChange={(e)=>setEmployeeName(e.target.value)} />

    </div>

    <div className='form-group'>

        <label>Address</label>

        <input type="text" className='form-control'
onChange={(e)=>setAddress(e.target.value)} />

    </div>

    <div className='form-group'>

        <button className="btn btn-success" onClick={onSubmit}>Submit</button>

    </div>

</>

)

}

export default Employee
```

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Assignment for Loan Calculator

1. Build a loan calculator
2. Model details here
 - a. Loan Amount
 - b. Rate of interest
 - c. No of year to return loan amount
3. Display loan install monthly amount.

Assignment for Contact Details

1. Build a contact form
2. Model details here
 - a. Contact id
 - b. Contact name
 - c. Contact address
 - d. Submit button
 - e. *On submit button show all data enter by form using Functional Components*