## FSD-II (HTML)

3.a) AIM: Write a React program to implement a counter button using React useState hook.

```
Program:-
```

3.b) AIM: Write a React program to fetch data from an API using React useEffect hook.

## Program:-

```
import React, { useEffect, useState } from 'react';
function FetchData() {
  const [users, setUsers] = useState([]);
  useEffect(() => {
    fetch('https://jsonplaceholder.typicode.com/users')
        then(res => res.json())
        then(data => setUsers(data));
}, []);
return (
    <div>
        <h1>User List</h1>
```

3.c) AIM: Write a React program with two React components sharing data using Props.

Program:-

```
App.js
```

```
import React from 'react';
import ParentComponent from './ParentComponent';
function App() {
 return (
  <div className="App">
   <ParentComponent />
  </div>
);
export default App;
ParentComponent.js:-
import React from 'react';
import ChildComponent from './ChildComponent';
function ParentComponent() {
 return (
  <div>
   <ChildComponent name="React Props Example" />
  </div>
 );
```

```
}
export default ParentComponent;
ChildComponent.js:-
import React from 'react';
function ChildComponent(props) {
 return < h1> Message: {props.name} < /h1>;
export default ChildComponent;
Output:-
3.d) AIM: Write a React program to implement forms in React.
Program:-
import React, { useState } from 'react';
function FormExample() {
 const [name, setName] = useState(");
 const handleSubmit = (e) => {
  e.preventDefault();
  alert('Submitted Name: ${name}');
 };
 return (
  < form onSubmit={handleSubmit}>
   <label>Name: </label>
   <input value={name} onChange={e => setName(e.target.value)} />
   <button type="submit">Submit
  </form>
 );
```

Moved outside the functionOutput:-

}

out put:-

export default FormExample; //

3.e) AIM: Write a React program to implement iterative rendering using map() function.

## Program:-

Output:-