

Experiment : 6

Input : (Form.js , App.js , index.js)

JS index.js

JS Form.js

X

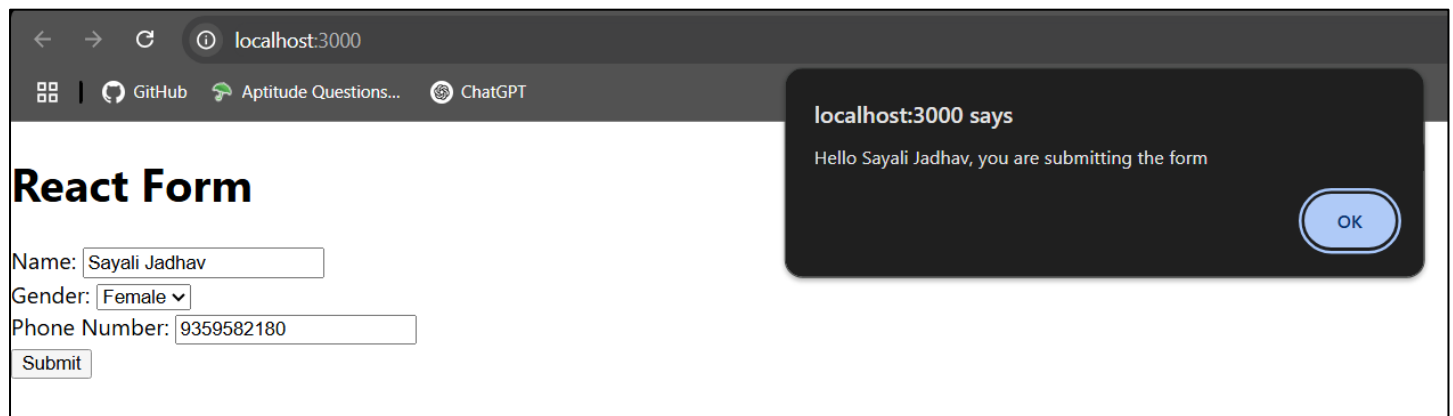
JS App.js

src > JS Form.js > ...

```
1  import React from 'react';
2  import ReactDOM from 'react-dom';
3  import { useState } from 'react';
4  import './App.css'
5  function Form() {
6  const [name, setName] = useState("");
7  const [gender, setGender] = useState("Male");
8  const [phoneNumber, setPhoneNumber] = useState("");
9
10 const handleSubmit = (event) => {
11 event.preventDefault();
12 alert(`Hello ${name}, you are submitting the form`);
13 }
14 return(
15 <div className='formevent'>
16 <h1> React Form</h1>
17 <form onSubmit = {handleSubmit}>
18 <label>Name: </label>
19 <input type="text" value={name} onChange={(e) =>
20 setName(e.target.value)}/><br></br>
21
22 <label>Gender: </label>
23 <select value={gender} onChange={(e) => setGender(e.target.value)}>
24 <option value="Male">Male</option>
25 <option value="Female">Female</option>
26 </select>
27 <br></br>
28
29 <label>Phone Number: </label>
30 <input type="text" value={phoneNumber} onChange={(e) =>
31 setPhoneNumber(e.target.value)}></input>
32 <br></br>
33
34 <input type="submit"></input>
35 </form>
36 </div>
37 );
38 }
39 export default Form;
```

```
JS index.js JS Form.js JS App.js X
src > JS App.js > ...
1 import { useState } from 'react'
2 import './App.css'
3 import Forms from './Form'
4 function App() {
5   const [count, setCount] = useState(0)
6   return (
7     <>
8     <Forms/>
9     </>
10  )
11 }
12 export default App
```

Output :



Input : (Home.js , About.js , Contact.js , App.js , index.js)

```
JS index.js JS Form.js JS App.js JS Home.js X JS About.js JS Contact.js
src > JS Home.js > ...
1 import React from "react";
2 import { NavLink } from "react-router-dom";
3
4 const Home = () =>{
5   return (
6     <>
7     <header>
8       <a href= "#">logo</a>
9       <nav>
10         <ul>
11           <li>
12             <NavLink to = "/"> Home </NavLink>
13           </li>
14           <li>
15             <NavLink to = "/about"> About </NavLink>
16           </li>
17           <li>
18             <NavLink to = "/contact"> Contact </NavLink>
19           </li>
20         </ul>
21       </nav>
22     </header>
23   </>
24 )
25 }
26
27 export default Home
```

JS index.js

JS Form.js

JS App.js

JS Home.js

JS About.js X

src > JS About.js > ...

```
1 import React from "react";
2 import {Link} from "react-router-dom";
3
4 const About = () =>{
5   return (
6     <>
7       <header>
8         <a href= "#">logo</a>
9         <nav>
10           <ul>
11             <li>
12               <Link to ="/"> Home </Link>
13             </li>
14             <li>
15               <Link to ="/about"> About </Link>
16             </li>
17             <li>
18               <Link to ="/contact"> Contact </Link>
19             </li>
20           </ul>
21         </nav>
22       </header>
23       <section>
24         <h1>About Page</h1>
25       </section>
26     </>
27   )
28 }
29 export default About;
```

JS index.js

JS Form.js

JS App.js

JS Home.js

JS About.js

src > JS Contact.js > ...

```
1 import React from "react";
2 import {Link} from "react-router-dom";
3
4 const Contact = () =>{
5   return (
6     <>
7       <header>
8         <a href= "#">logo</a>
9         <nav>
10           <ul>
11             <li>
12               <Link to ="/"> Home </Link>
13             </li>
14             <li>
15               <Link to ="/about"> About </Link>
16             </li>
17             <li>
18               <Link to ="/contact"> Contact </Link>
19             </li>
20           </ul>
21         </nav>
22       </header>
23       <section>
24         <h1>Contact Page</h1>
25       </section>
26     </>
27   )
28 }
29 export default Contact;
```

```
JS index.js JS Form.js JS App.js X JS Home.js JS About.js
src > JS App.js > ...
1  import './App.css';
2  import {BrowserRouter, Route, Routes} from "react-router-dom";
3  import Home from "./Home";
4  import About from "./About";
5  import Contact from "./Contact";
6
7  function App() {
8    return (
9      <BrowserRouter>
10     <Routes>
11       <Route path= "/" element={<Home />} />
12       <Route path= "/about" element={<About />} />
13       <Route path= "/contact" element={<Contact />} />
14     </Routes>
15   </BrowserRouter>
16
17   );
18 }
19
20 export default App;
```

Output :

[logo](#)

- [Home](#)
- [About](#)
- [Contact](#)

[logo](#)

- [Home](#)
- [About](#)
- [Contact](#)

About Page

[logo](#)

- [Home](#)
- [About](#)
- [Contact](#)

Contact Page

Input : (App.js, Hooks1.js, Hooks2.js, and HookuseRef.js)

```
JS index.js JS App.js JS Hooks1.js X JS Hooks2.js
src > JS Hooks1.js > ...
1  import React, { useState } from 'react'
2
3  function Hooks1() {
4      const [name, setName] = useState("RCPIT")
5      let changeState = () => {
6          setName("Autonomous")
7      }
8      return (
9          <div>
10             <h1>{name}</h1>
11             <button onClick={changeState}> Update </button>
12          </div>
13      )
14  }
15
16  export default Hooks1
```

```
JS index.js JS App.js JS Hooks1.js JS Hooks2.js X JS HookuseRef.js JS Home
src > JS Hooks2.js > ...
1  import React, { useState } from 'react'
2  import { useEffect } from 'react'
3
4  function Hooks2() {
5      let [count, setCount] = useState(0)
6      let [name, setName] = useState("RCPIT")
7      useEffect ( () => {
8          console.log(" Hello I am Effect =" + count)
9      }, [count])
10     useEffect ( () => {
11         console.log(" Hello " + name)
12     }, [name])
13
14     return (
15         <div>
16             <h1>{count}</h1>
17             <h1>{name}</h1>
18             <button onClick={() => setCount (count + 1)}> Update count </button>
19             <button onClick={() => setName ("Autonomous")}> Update name </button>
20         </div>
21     )
22 }
23
24 export default Hooks2
```

JS index.js

JS App.js

JS Hooks1.js

JS Hooks2.js

src > JS HookuseRef.js > ...

```
1  import React, { useEffect, useRef } from 'react'
2
3  function HookuseRef() {
4    const newRef = useRef ();
5
6    useEffect (() => {
7      console.log(newRef);
8      console.log(newRef.current.innerHTML);
9    })
10   const handleHeading = () => {
11     newRef.current.style.color = 'red';
12   }
13
14   return (
15     <div>
16       <h1 ref = {newRef} >Lets try</h1>
17       <button onClick={handleHeading}> Submit </button>
18     </div>
19   )
20 }
21
22 export default HookuseRef
```

JS index.js

JS App.js

X

JS Hooks1.js

src > JS App.js > ...

```
1  import React from 'react'
2  import Hooks1 from './Hooks1';
3  import Hooks2 from './Hooks2';
4
5  function App() {
6    return (
7      <div>
8        <Hooks2 />
9      </div>
10   )
11 }
12
13 export default App
```

Output :

0

RCPIT

Update count

Update name

1

Autonomous

Update count

Update name