

## Assignment 9

### Roll No 71      T14

**Aim :** Write a program to implement

- Create React refs
- How to access Refs
- Forward Refs
- Callback Ref

**Code:**

```
import React,{useRef} from "react";
import ChildComponent from './ChildComponent'

const MyComponent = () => {
  const myRefCallback = useRef(null); // Callback ref for MyComponent

  const handleClick = () => {
    if (myRefCallback.current) {
      myRefCallback.current.focus();
    }
  };

  return (
    <div className="newdiv">
      <ChildComponent ref={myRefCallback} />
      <br /><br />
      <button onClick={handleClick}>Focus Child Input (using callback
ref)</button>
    </div>
  );
};

export default MyComponent;
```

```
import React, { createRef, useRef, useEffect } from 'react';

// ChildComponent.js - Child component using forward refs
const ChildComponent = React.forwardRef((props, ref) => {
```

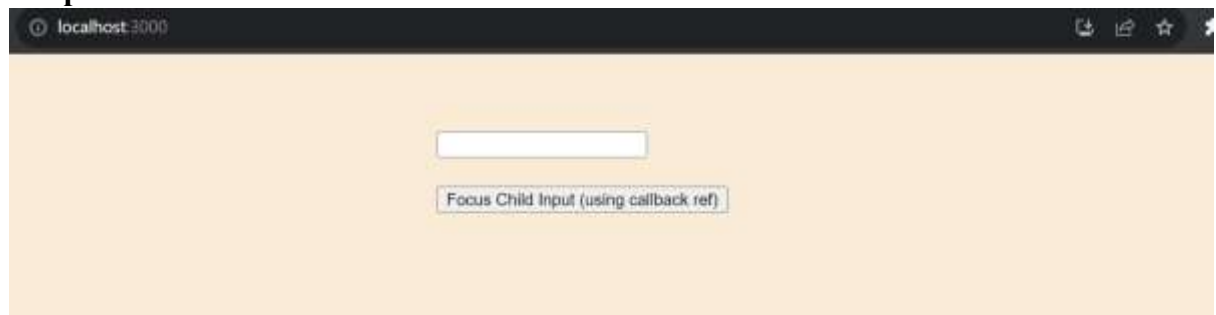
```
const inputRef = createRef(); // Callback ref for this component

useEffect(() => {
  // Set the ref using the callback ref
  if (ref) {
    ref.current = inputRef.current;
  }
}, [ref]);

return (
  <input ref={inputRef} />
);
});

export default ChildComponent
```

### Output:



On clicking the button The input box is focused

