

# 2024-04-03 5.7.10 Hook - 3

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1 React hook 실습

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react Hook을 사용해 보세요!

Component

```
import React, {FC, useEffect, useState} from "react";

const Hook3: FC = () => {
  const [visibility, setVisibility] = useState(false);

  return (
    <div>
      {
        visibility && <ChildComponent/>
      }
      <button onClick={() => setVisibility(prev => !prev)}>
        {visibility ? 'HIDE' : 'SHOW'}
      </button>
    </div>
  )
}

const ChildComponent: FC = React.memo(() => {

  useEffect(() => {
    console.log('Run useEffect');
  }, []);

  return (
    <div>Child</div>
  )
});

export default Hook3;
```

Component Test

```
import React, {render, screen} from '@testing-library/react';
import userEvent from "@testing-library/user-event";
import Hook3 from "../Hook3";

describe('Hooks Test', () => {
  /*
   * Show/Hide ChildComponent
   * Console.log Destroy Component .
   * */

  const log = jest.spyOn(global.console, "log").mockImplementation();

  afterEach(() => {
    log.mockReset();
  });

  test('ChildComponent Destroy Component .', () => {
    // eslint-disable-next-line react/jsx-no-undef
    render(<Hook3/>);

    userEvent.click(screen.getByText('SHOW'));

    expect(log).toBeCalledWith('Run useEffect');

    log.mockReset();

    userEvent.click(screen.getByText('HIDE'));

    expect(log).toBeCalledWith('Destroy Component');
  });
})
```