

연습문제 22.05.03 - 왕혜수

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## hook 연습문제

별찍기 | 사칙연산(강사님) | [사칙연산\(나\)](#)

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9	* ▾	3	계산
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App.js

```
import React, { useReducer, useRef, useCallback, useMemo } from 'react';

function Cal(state, action) {
  switch (action.operator) {
    case '+':
      return (state = action.num1 + action.num2);
    case '-':
      return (state = action.num1 - action.num2);
    case '*':
      return (state = action.num1 * action.num2);
    case '/':
      return (state = action.num1 / action.num2);
    default:
      return 0;
  }
}

const Calculator = () => {
  const a = useRef(0);
  const b = useRef(0);
  const arith = useRef();

  const [result, setResult] = useReducer(Cal, 0);
  const onClick = useCallback(() => {
    setResult({
      num1: Number(a.current.value),
      num2: Number(b.current.value),
      operator: arith.current[arith.current.selectedIndex].value,
    });
  }, []);

  const even = useMemo(() => {
    return result % 2 === 0 ? 'red' : 'blue';
  }, [result]);
  return (
    <div>
      <input type="number" ref={a} />
      <select ref={arith}>
        <option value="+">+</option>
        <option value="-">-</option>
        <option value="*">*</option>
        <option value="/">/</option>
      </select>
      <input type="number" ref={b} />
      <button onClick={onClick}>계산</button>
      <hr />
      <h1 style={{ color: even }}>{result}</h1>
    </div>
  );
};

export default Calculator;
```

혼자 풀어보려고 해도 useReducer에서 action값을 보낼 때 객체로 보내는 내용이 잘 떠오르지가 되지않아 결국엔 또 답을 보고 참고하였습니다