22.05.03 신지섭.md 2022. 5. 3.

### 연습문제07 - 2

#### App.js

```
import React from "react";
function App() {
 // 첫번째 input
 const first = React.useRef();
 // 두번째 input
 const second = React.useRef();
 // 선택박스
 const operator = React.useRef();
 //상태값 갱신 Reducer
 function setCalculate(state, action) {
   switch (action.operatorValue) {
     case "+":
       return state = action.firstValue + action.secondValue;
     case '-':
       return state = action.firstValue - action.secondValue;
     case '*':
       return state = action.firstValue * action.secondValue;
     case "/":
       return state = action.firstValue / action.secondValue;
     default:
       return state;
   }
 }
 //useReducer 사용
 const [cal, setCal] = React.useReducer(setCalculate, 0)
 // useCallback을 사용한 버튼 클릭이벤트
 const onClick = React.useCallback((e) => {
   //첫번째 input값 가져오기
   const firstValue = parseInt(first.current.value)
   //두번째 input값 가져오기
   const secondValue = parseInt(second.current.value)
   //선택박스 값 가져오기
   const operatorValue = operator.current.value
   // json형태로 setCal(action)에 대입
   setCal({firstValue, secondValue, operatorValue})
 const colorChange = React.useMemo(() => {
   return cal % 2 === 0 ? "#cfbee0" : "#981d50"
 }, [cal])
 return (
   <div>
     <h1>Exam07</h1>
     >
       useReducer, useMemo, useCallback을 활용한 사칙연산
```

22.05.03\_신지섭.md 2022. 5. 3.

```
<hr/>
     <div>
       <input type="text" ref={first}/>
       <select ref={operator}>
         <option>+</option>
         <option>-</option>
         <option>*</option>
         <option>/</option>
       </select>
       <input type="text" ref={second}/>
       <button type="button" onClick={onClick}>결과확인</putton>
     <h1 style={{fontSize: '20px', color:colorChange}}>
       결과값: {cal}
     </h1>
   </div>
 );
}
export default App;
```

22.05.03\_신지섭.md 2022. 5. 3.

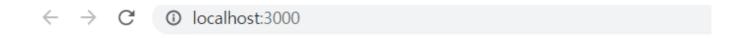


# Exam07

useReducer, useMemo, useCallback을 활용한 사칙연산



#### 결과값: 3



## Exam07

useReducer, useMemo, useCallback을 활용한 사칙연산



결과값: 2