

[lecture2][example][c]

Ex1.

설명: 한번의 계산이 가능한 계산기 프로그램 만들기. (단 주어진 부호 + - * / 이외의 입력이 들어오면 에러메시지로 예외처리 후 종료)

Calculator program start! Enter what you want + - * / / Enter the num (0 0) 123 2 Quotient: 61 Remainder: 1	Calculator program start! Enter what you want + - * / + Enter the num (0 0) 123 99 Answer: 222	Calculator program start! Enter what you want + - * /) ERROR: Enter right sign
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출력:

Calculator program start!

Enter what you want

+ - * /

입력:

/

출력:

Enter the num (0 0)

입력:

123 2

출력:

Quotient: 61

Remainder: 1

Ex2.

설명: 숫자 하나를 입력해서 컴퓨터가 랜덤으로 생성한 값과 같으면 같다고 출력, 다르면 컴퓨터의 값 출력

Hint) 헤더에 #include <stdlib.h> 선언, rand()로 랜덤 값 지정

출력: Enter the num(1~10)

입력: 3

출력: Sorry... My num is

```
Enter the number(1~10)
3
Sorry... My num is 8
```

```
Enter the number(1~10)
8
You got it!
```

Ex3.

설명: 예금 출금 프로그램 설계. Money라는 이름의 정수 변수 생성 후 이를 5000으로 초기화. 동작을 입력 받고(D 혹은 W, 그 밖의 입력은 예외처리) 출금 혹은 예금할 돈 액수를 입력. 출금 시에 만약 가진 돈보다 더 많은 돈을 출금하면 돈이 없다고 표시.

출력: You have 5000 won

Deposit? Withdraw?(D, W)

입력: D

출력: How much?

입력: 3000

출력: Now you have 8000

```
You have 5000 won
Deposit? Withdraw?(D, W)
D
How much?
3000
Now you have 8000
```

```
You have 5000 won
Deposit? Withdraw?(D, W)
W
How much?
6000
You don't have that much money!
```

```
You have 5000 won
Deposit? Withdraw?(D, W)
W
How much?
4000
Now you have 1000
```

```
You have 5000 won
Deposit? Withdraw?(D, W)
a
Wrong input!
```

Ex4.

설명: 온라인으로 신발을 구매하는 프로그램 설계. Money라는 이름의 정수 변수 생성 후 이를 200000로 초기화. 살 신발을 선택하고, 할인률을 선택해서 신발을 구매한다. 신발을 구매하고 나면 가진 잔액을 표시한다. 할인받은 가격 기준으로 가진 돈보다 더 비싼 신발을 고르면 살 수 없다고 표시. 선택 조건에 없는 (1~3이 아닌) 수를 고르면 에러메시지. 할인률은 맞게 입력한다고 가정.

출력: You have 200000 won

What kind of shoes you want to buy?

1. Nike tailwind : 109,000 won
2. New Balance 992 : 259,000 won
3. Nike jordan : 119,000 won

입력: 1

출력: Choose coupon!

10% discount

25% discount

15% discount

입력: 10

출력: Your shoes price is... 98100

Now you have 101900 won

```
You have 200000 won
What kind of shoes you want to buy?
1. Nike tailwind : 109,000 won
2. New Balance 992 : 259,000 won
3. Nike jordan : 119,000 won
1
Choose coupon!
10% discount
25% discount
15% discount
10
Your shoes price is... 98100
Now you have 101900 won
```

```
You have 200000 won
What kind of shoes you want to buy?
1. Nike tailwind : 109,000 won
2. New Balance 992 : 259,000 won
3. Nike jordan : 119,000 won
2
Choose coupon!
10% discount
25% discount
15% discount
15
Your shoes price is... 220150
You don't have enough money!
```

```
You have 200000 won
What kind of shoes you want to buy?
1. Nike tailwind : 109,000 won
2. New Balance 992 : 259,000 won
3. Nike jordan : 119,000 won
2
Choose coupon!
10% discount
25% discount
15% discount
25
Your shoes price is... 194250
Now you have 5750 won
```

```
You have 200000 won
What kind of shoes you want to buy?
1. Nike tailwind : 109,000 won
2. New Balance 992 : 259,000 won
3. Nike jordan : 119,000 won
4
Choose coupon!
10% discount
25% discount
15% discount
10
ERROR: Wrong Enter!
```