

Code review

9/06

20171707 차영호

20171708 차유미

20171709 첸 군

20171710 최근표

FACTORIAL

- 1부터 입력 받은 숫자까지 모두 곱한 숫자 출력.
- -1을 입력 받으면 프로그램 종료.
- 0을 입력 받으면 1 출력

BEFORE

```
total = 1
```

```
while (True):
```

```
    a = int(input())  
        수 없음.
```

<a가 무엇인지 처음 보는 사람은 알

```
    if a == -1:
```

```
        break
```

```
    for i in range(1,a+1):
```

```
        total *= i
```

```
    print(total)
```

<무슨 값을 출력하는지 알 수 없음.

```
    total = 1
```

AFTER

```
total = 1
while (True):
    a = int(input("숫자를 입력하세요.: " ))    #a가 무엇인지 명확
    하게 명시해줌.
    If a == -1:
        break
    for l in range(1,a+1):
        total *= l
    Print(a, " ! 의 계산 값: ",total)          #무엇을 출력하는지 명
    시해줌.
    total = 1
```

BEFORE



The screenshot shows the Atom code editor interface. The left sidebar displays a file explorer with a project named 'class-6-geunpyochol' containing a subdirectory '20171710-최근표-assignm'. The main editor area shows a Python file named '20171710-최근표-assignment2.py' with the following code:

```
1 #import math
2 #n = int(input('Enter a number : '))
3 #while True:
4 #     if n > -1 :
5 #         print(n, '!' = ',math.factorial(n))
6 #     elif n <= -1 :
7 #         print('Error')
8 #     else:
9 #         break
10 n = int(input('Enter a number : '))
11 while True:
12     m = 1
13     if n <= -1 :
14         break
15     for i in range(1,n+1):
16         m = m * i
17     print(m)
18     n = int(input('Enter a number : '))
19
```

The status bar at the bottom indicates the file is '20171710-최근표-assignment2.py' at line 1, column 1. It also shows the encoding as 'UTF-8', the language as 'Python', and the current branch as 'master'. There are also indicators for '+14, -6' and '1 update'.

AFTER

- N값을 입력 받는 코드를 while문 안에 써줘서 중복코드를 없앴.

```
while (True):  
    n = int(input())  
    m = 1  
    if n <= -1:  
        break  
    for i in range(1, n + 1):  
        m = m * i  
    print(m)
```

BEFORE

```
num = 1

while num != -1 :
    number = 1
    num = int(input("enter the number : "))
    for i in range(1, num+1) :
        number *= i
    if num == 0 :
        number = 1
    if num <= -1 :
        break

    print(num , "! =" , number)
```

AFTER

- If num == 0: 이 코드가 없어도 정상적으로 돌아가기 때문에 삭제함.

```
num = 1

while num != -1 :
    number = 1
    num = int(input("enter the number : "))
    for i in range(1, num+1) :
        number *= i
    if num <= -1 :
        break

    print(num , "! =" , number)
```