

Chapter 05_031 finally

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예외 발생과 상관없이 항상 실행한다.

- finally

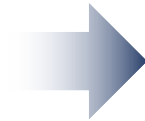
➤ 예외 발생과 상관없이 항상 실행한다.

```
try:
    inputData = input('input number: ')
    numInt = int(inputData)

except:
    print('exception raise!!')
    print('not number!!')
    numInt = 0

else:
    if numInt % 2 == 0:
        print('inputData is even number!!')
    else:
        print('inputData is odd number!!')

finally:
    print(f'inputData: {inputData}')
```



input number: 10
inputData is even number!!
inputData: 10

input number: 가나다
exception raise!!
not number!!
inputData: 가나다

→ 항상 실행!!

• 실습

finally

- 사용자로부터 숫자 5개를 입력받아 짝수, 홀수, 실수와 입력한 모든 데이터를 각각 출력하는 프로그램을 만들어보자.

```

eveList = []; oddList = []; floatList = []
dataList = []

n = 1
while n < 6:

    try:
        data = input('input number: ')
        floatNum = float(data)

    except:
        print('exception raise!!')
        print('input number again!!')
        continue

    else:
        if floatNum - int(floatNum) != 0:
            print('float number!')
            floatList.append(floatNum)
        else:
            if floatNum % 2 == 0:
                print('even number!')
                eveList.append(int(floatNum))

            else:
                print('odd number')
                oddList.append(int(floatNum))

        n += 1

finally:
    dataList.append(data)

```



```

input number: 가나다
exception raise!!
input number again!!
input number: 3.14
float number!
input number: 0
even number!
input number: 6
even number!
input number: 3
odd number
input number: 8
even number!
eveList: [0, 6, 8]
oddList: [3]
floatList: [3.14]
dataList: ['가나다', '3.14', '0', '6', '3', '8']

```