

(self, , )

- description : (self, , )
- author :
- email : hylee@repia.com
- lastupdate : 2020-06-25

(self, , )

```
# Section07-1
#
# Self, ,

#
# ,
# :
# : 가 ,
# : ,

# 1

print("#==== 1 ====")
class UserInfo:
    def __init__(self, name):
        self.name = name

    def print_info(self):
        print("Name: " + self.name)

    def __del__(self):
        print("Instance removed!")

user1 = UserInfo("Kim")
user2 = UserInfo("Park")

print(id(user1))
print(id(user2))

user1.print_info()
user2.print_info()

print('user1 : ', user1.__dict__) #
print('user2 : ', user2.__dict__)
```

```

print(user1.name)

print()

#      2
# self

print("#=== self      ===")
class SelfTest:
    def function1():
        print("function1 called!")

    def function2(self):
        print(id(self))
        print("function2 called!")

f = SelfTest()
# print(dir(f))
print(id(f))
# f.function1() #      ->  function1()      self가      class      .
#
#      class
#      ->  SelfTest.function1()
f.function2()
print(SelfTest.function1())

print()

# print(SelfTest.function2()) #      ->  function2(self)      self가
#
#      .
#      ->  f.function2()

#      3
#
print("#===      ,      ===")

class Warehouse:
    #
    stock_num = 0

    def __init__(self, name):
        #
        self.name = name
        Warehouse.stock_num += 1

    def __del__(self):
        Warehouse.stock_num -= 1
  
```

```

user1 = Warehouse('Kim')
user2 = Warehouse('Park')

print(user1.name)
print(user2.name)
print(user1.__dict__)
print(user2.__dict__)
print(Warehouse.__dict__) # , ( )

# Warehouse.stock_num = 50 # 가

print(user1.stock_num)
print(user2.stock_num)

```

```

#==== 1 ====
2190468880608
2190468882096
Name: Kim
Name: Park
user1 : {'name': 'Kim'}
user2 : {'name': 'Park'}
Kim

#==== self ====
2190468948368
2190468948368
function2 called!
function1 called!
None

#==== , ====
Instance removed!
Instance removed!
Kim
Park
{'name': 'Kim'}
{'name': 'Park'}
{'__module__': '__main__', 'stock_num': 2, '__init__': <function
Warehouse.__init__ at 0x000001FE021F69D0>, '__del__': <function
Warehouse.__del__ at 0x000001FE021F6A60>, '__dict__': <attribute '__dict__'
of 'Warehouse' objects>, '__weakref__': <attribute '__weakref__' of
'Warehouse' objects>, '__doc__': None}
2
2

```

# Tip

, python

From: <http://wiki.repia.com/> - . - 2023.12

Permanent link: [http://wiki.repia.com/doku.php?id=wiki:ai:python:%ED%81%B4%EB%98%EC%8A%A4\\_%EC%83%81%EC%84%B8\\_%EC%9D%B4%ED%95%B4\\_self\\_%ED%81%B4%EB%9E%98%EC%8A%A4\\_%EC%9D%B8%EC%8A%A4%ED%84%EC%8A%A4\\_%EB%B3%80%EC%88%98&rev=1593064156](http://wiki.repia.com/doku.php?id=wiki:ai:python:%ED%81%B4%EB%98%EC%8A%A4_%EC%83%81%EC%84%B8_%EC%9D%B4%ED%95%B4_self_%ED%81%B4%EB%9E%98%EC%8A%A4_%EC%9D%B8%EC%8A%A4%ED%84%EC%8A%A4_%EB%B3%80%EC%88%98&rev=1593064156)

Last update: 2022/03/10 19:52

