

- description :
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```
# Section05-1
#           (           )
#

print("type(True) :\t",type(True))
print("type(False) :\t",type(False))

#

# 1
if True:
    print("if True :\t", "Yes") #

if False:
    #
    print("False :\t", "No")

# 2
if False:
    #
    print("if False :\t", "You can't reach here")
else:
    # 가
    print("else :\t", "Oh, you are here")

#
# >, >=, <, <=, ==, !=

a = 10
b = 0

# ==
print("a == b :\t", a == b)
```

```
# !=
print("a != b :\t",a != b)

# >
print("a > b :\t",a > b)

# >=
print("a >= b :\t",a >= b)

# <
print("a < b :\t",a < b)

# <=
print("a <= b :\t",a <= b)

#
# : " ", [ ], ( ), { }, 1
# : "", [], (), {}, 0, None

print("#====")
print("#====")
city = ""
if city:
    print("if city = '' :\t","You are in:", city)
else:
    #
    print("if city = '' else :\t","Please enter your city")

city = "Seoul"
if city:
    print("if city 'Seoul' :\t","You are in:", city)
else:
    #
    print("if city 'Seoul' else :\t","Please enter your city")

print()
#
# and, or, not
print("#====")

a = 100
b = 60
c = 15

print('and ''a > b and b > c'' :\t', a > b and b > c) # a > b > c
print('or ''a > b or b > c'' :\t', a > b or b > c)
print('not ''not a > b'' :\t', not a > b)
print('not ''not b > c'' :\t', not b > c)
print('not True :\t',not True)
print('not False :\t',not False)
```

```
#
#
print('3 + 12 > 7 + 3 :\t', 3 + 12 > 7 + 3)
print('5 + 10 * 3 > 7 + 3 * 20 :\t', 5 + 10 * 3 > 7 + 3 * 20)
print('5 + 10 > 3 and 7 + 3 == 10 :\t', 5 + 10 > 3 and 7 + 3 == 10)
print('5 + 10 > 0 and not 7 + 3 == 10 :\t', 5 + 10 > 0 and not 7 + 3 == 10)

print()

print("#===          ===")

score1 = 90
score2 = 'A'

#
if score1 >= 90 and score2 == 'A':
    print("if score1 >= 90 and score2 == 'A' :\t", ".")
else:
    print("if score1 >= 90 and score2 == 'A' else :\t", ".")

id1 = "gold"
id2 = "admin"
grade = 'super'

if id1 == "gold" or id2 == "admin":
    print("if id1 == gold or id2 == admin :\t", ")

if id2 == "admin" and grade == "super":
    print("if id2 == admin and grade == super :\t", ")

is_work = False

if not is_work:
    print("if not is_work :\t", "is work!")

print()

print("#===          ===")
#
num = 90

if num >= 70:
    print("if num >= 70 :\t", "num ? ", num)
elif num >= 60:
    print("elif num >= 60 :\t", "num ? ", num)
else:
    print("else :\t", "default num")

print()

print("#===          ===")
```

```
#

age = 27
height = 175

if age >= 20:
    if height >= 170:
        print(" :\\t", "A      가 ")
    elif height >= 160:
        print(" :\\t", "B      가 ")
    else:
        print(" :\\t", "      가")
else:
    print(" :\\t", "20      가 ")

print()
# in, not in

q = [1, 2, 3]
w = {7, 8, 9, 9}
e = {"name": 'Kim', "city": "seoul", "grade": "B"}
r = (10, 12, 14)

print("1 in q :\\t", 1 in q)
print("6 in w :\\t", 6 in w)
print("12 not in r :\\t", 12 not in r)
print("name in e :\\t", "name" in e) # key
print("seoul in e.values() :\\t", "seoul" in e.values()) # value
```

```
type(True) : <class 'bool'>
type(False) : <class 'bool'>
if True : Yes
else : Oh, you are here
a == b : False
a != b : True
a > b : True
a >= b : True
a < b : False
a <= b : False
#====      =====
#===      ===
if city = '' else : Please enter your city
if city 'Seoul' : You are in: Seoul

#====      =====
and a > b and b > c: True
or a > b or b > c: True
not not a > b: False
```

```

not not b > c:    False
not True :      False
not False :     True
3 + 12 > 7 + 3 :           True
5 + 10 * 3 > 7 + 3 * 20 :   False
5 + 10 > 3 and 7 + 3 == 10 : True
5 + 10 > 0 and not 7 + 3 == 10 :      False

#===          ===
if score1 >= 90 and score2 == 'A' :
if id1 == gold or id2 == admin :
if id2 == admin and grade == super :
if not is_work :           is work!

#===          ===
if num >= 70 :   num ? 90

#===          ===
:      A      가

1 in q :      True
6 in w :      False
12 not in r : False
name in e :   True
seoul in e.values() : True

```

## Tip

, [python](#),

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