Ch5. Birthday Match Game 3

break

- If the while statement continues to satisfy the condition,

  it is repeated endlessly.

- To avoid this situation, use the "break" statement to escape

break

- If it does not fit within

  ten times, force it out

```python
import random
number = random.randint(1,100)

count = 1
guess = 0
while number != guess:
    # 숫자를 추측해본다.
    guess = int(input('숫자는? (1~100 사이임) :'))
    if guess<number: print('더 큰 숫자임')
    if guess>number: print('더 작은 숫자임')
    if guess==number: print('맞췄음')
    if count >= 10: break
    count +=1 # count = count + 1 과 같음
```

Practice1 (p88)

O Create a birthday match game code
that must match the birthday in five times.
(must use "break" !!)

```python
import random

#this is a birthday match game.
print('Hello! My name is Alice.')
print('What is your name?')
myName = input()

realDay = random.randint(1,30)
print('Well, ' + myName + ', guess my birthday from 1 to 30.')

trial = 0

while True:
    ▓▓▓▓▓▓▓▓▓▓▓▓
    guessDay = int(input())

    if guessDay > realDay:
        print('Guess a earlier day.')
    elif guessDay < realDay:
        print('Guess a later day.')
    elif guessDay == realDay:
        print('Good job, ' + myName + '! you guessed my birthday!')
        ▓▓▓▓▓▓▓

    if trial == 5:
        print('Game Over!')
        ▓▓▓▓▓▓▓
```

Logical Operator

○ "and" is True only when
   all the conditions are satisfied

A	B	A and B
True	True	True
True	False	False
False	True	False
False	True	False

Logical Operator

○ "or" is True if one condition is satisfied

A	B	A or B
True	True	True
True	False	True
False	True	True
False	True	False

Logical Operator

○ "not" reverses True and False

A	not A
True	False
False	True

Practice2 (p93)

⭕ Run the next code

(and figure out why)

```
print(10>5)
print('python' != 'python!')
print(True or False)
print(False and True)
print(False or True and False)
print(10 > 20 or 20 < 10)
python = "programming"
print(5 > 20 and python == "Hello")
```

Practice3 (p94)

○ Fill in the blanks to make
  multiplication table problem code.

```python
while True:
    print('input a number between 1 and 9: ')
    Dan = int(input())
    if Dan < 1____ Dan > 9:
        print('input another number')
    if Dan > 0 ____ Dan < 10:
        break

count = 1
while True:
    print(Dan, '*', count, '=', Dan*count)
    count = count + 1
    if _____:
        break
```

Practice3 (p94)

⊙ Fill in the blanks to make
multiplication table problem code.

```
input a number between 1 and 9:
29
input another number
input a number between 1 and 9:
-1
input another number
input a number between 1 and 9:
2
2 * 1 = 2
2 * 2 = 4
2 * 3 = 6
2 * 4 = 8
2 * 5 = 10
2 * 6 = 12
2 * 7 = 14
2 * 8 = 16
2 * 9 = 18
```

Assignment4

- Deadline : November 4th

- Upload to portal – Assignment – "Assignment4"

- Upload File Name : assignment4_student ID_name.py (python file) **&** **Capture result photos**
  - ex : assignment4_2017200966_조수필.py

- If you complete the assignment in class, ask the assistant for confirmation.