## Python

# ????(Magic Method): \_\_\_init\_\_\_, del

### 1. ?? ??

Magic Method	
Dunder Method	"Double Underscore"

### 2. ???? ?????

Ш	
init(self,)	p = Person("Alice")
del(self)	del p
new(cls,)	

- https://dainwiki.com/books/python/page/init
- https://dainwiki.com/books/python/page/del

???????? (\_\_\_init\_\_\_ ??)

??????? (\_\_init\_\_\_??)

### 1. ?????

### 2. ?? ??? ??

```
class MyClass:
    def __init__(self, name):
        self.name = name
```

### 3. ?? ??

```
class Person:
    def __init__(self, name, age):
        self.name = name
        self.age = age

p = Person("Alice", 25)
print(p.name) # Alice
print(p.age) # 25
```

### 4. ??? ?? ?? ??

### 5. ??? ? ??

```
class Student:
    def __init__(self, name="Unknown", grade=1):
        self.name = name
        self.grade = grade
```

### 6. ??? ?????

```
class Book:
    def __init__(self, *args):
        if len(args) == 1:
            self.title = args[0]
        elif len(args) == 2:
            self.title = args[0]
            self.author = args[1]
        else:
            self.title = "Unknown"
```

### 7. \_\_new\_\_()????

new()	
init()	

### 8. print? ??

### ???????? (\_\_\_del\_\_\_)

### 1. ?????

### 2. ?? ??

### 3. ?? ??

```
class FileHandler:
    def __init__(self, filename):
        self.file = open(filename, 'w')
        print("[] [] []")

    def __del__(self):
        self.file.close()
        print("[] [] []")

f = FileHandler("test.txt")
del f # [][][] [][]
```

### 4. ?? ???

### 5. ?? ??

del [][]		
•		

### 6. ????



### 7. ?? ?? ??

### 8. ??: with ? ??

```
with open("file.txt", "w") as f:
    f.write("0000")
# 0000 00 00
```