

*Awww?!*

**In python,**

**“Annotations helps a lots”**

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# Annotations in Python

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Python 3부터 코드에 "Type Hint를 추가하는 방법"으로 PEP 484로 정의

<https://www.python.org/dev/peps/pep-0484/>

## function annotation

```
def func(parameter: parameter_type [=default]) -> return_type:
```

```
def func(a: int = 10) -> int:
```

## variable annotation

```
variable_name: variable_type = value
```

```
pi: float = 3.14159
```

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IDE에 따라 다르게 표시되며, 다음은 VS CODE의 화면임

```
pi: float = 3.14159

def circle_area(radius: float, pi: float):
    return radius * radius * pi
```

```
def circle_area(radius: float) -> float:
    return radius * radius * pi

    circle_area(radius: float)
    param radius: float

circle_area()
```

```
def Activate_Function(x):
    return np.where(x>=0, 1, 0)

def Perceptron_AND(x):
    return Activate_Function(x @ w + b)

def Training(x, t, lr):...
```