

Default_Arguments



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Agenda

- **Default Arguments**
- **Function return something**
- **Positional VS Keyword arguments**
- **Variable length arguments**

Default Arguments

- **Default value indicate that the function arguments will take that value if no argument value is passed during the function call.**
- **The default value is assigned by using the assignment (=) operator.**
- **You cannot have non default argument after default argument.**

Default Arguments Code

```
def Add(a, b=0, c=0, d=0, e=0):
```

```
    return (a + b + c + d + e)
```

```
print("Sum is", Add(10,20,30,40,50))
```

```
print("Sum is", Add(10,20,30))
```

```
print("Sum is", Add(10,20,40,50))
```

```
print("Sum is", Add(40,50))
```

```
print("Sum is", Add(50))
```

Function return something

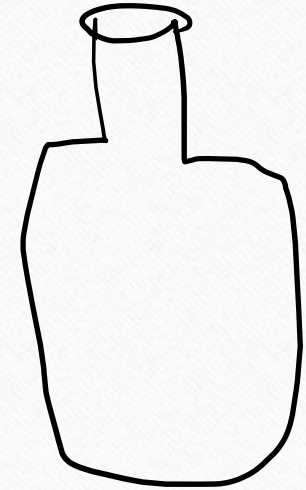
return **None**

```
def Name():  
    print("TasiNCoder")
```

```
print(Name())
```

Print **None**

None



Positional VS Keyword arguments

```
def Add(a=0,b=0,c=0,d=0,e=0):  
    return (a + b + c + d + e)
```

```
print("Sum is", Add(50,30))
```



**Positional
Arguments**

```
def Add(a=0,b=0,c=0,d=0,e=0):  
    return (a + b + c + d + e)
```

```
print("Sum is", Add(b= 50, e = 100))
```




**Keyword
Arguments**

- You cannot have positional arguments after keyword arguments**

Variable length arguments

This is a **tuple** object



```
def Add(*t1):  
    return sum(t1)  
print("Sum is",  
Add(10,20,30,40,50,60,70,80,90,100))  
print("Sum is", Add(10,70,80,90,100))  
print("Sum is", Add(10,20,30,40))
```