FUNCTIONS IN PYTHON

Passing values to functions

Argument value is passed and it is substituted for name

```
def itr(x,n):
    a = 1
    for i in range(0,n):
        a = a*x
    return(a)
```

```
itr(3,5)
      ↓
x = 3
n = 5
a = 1
for i in range..
```

it is equivalent toimplicit assignment statement

Pass arguments by name

```
def itr(x,n):
    a = 1
    for i in range(0,n):
        a = a*x
    return(a)
```

* **Function Call** `itr(n=4,x=3)`

Function Characteristics

- Function definitions behave like other assignments of values to names

- Can reassign a new definition, define conditionally

- Can pass function names to other functions