Python Arithmatic Operators

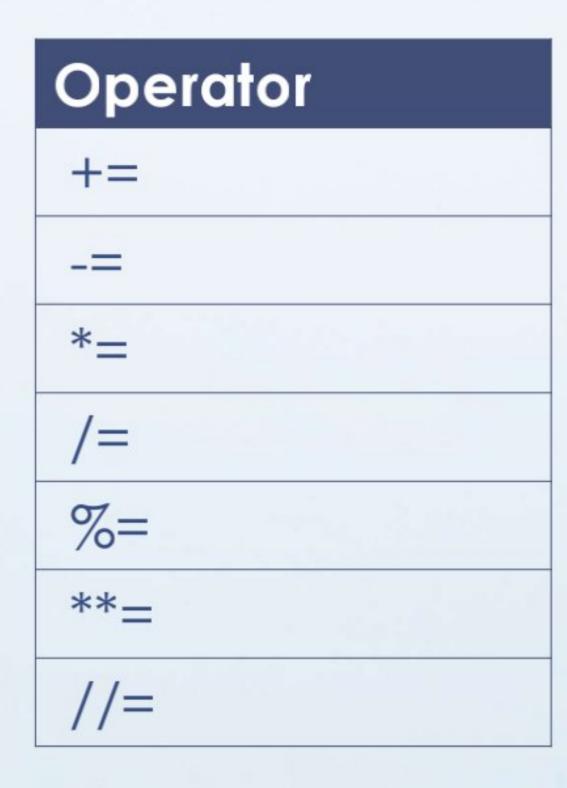
Operator + Addition - Subtraction * Multiplication / Divison % Modulus ** Exponent // Floor Divison

```
operator.py - D:/Documents/Python/operator.py (3.6
                                          Python 3.6.4 Shell
File Edit Format Run Options Window Help
                                          File Edit Shell Debug Options Window
#Arithmatic operators + , - , * , / , % , **, //
                                          Python 3.6.4 (v3.6.4:d48eceb, Dec
a,b=10,3
                                          Type "copyright", "credits" or "license
print ("Addition: ", a+b)
print ("Subtraction: ", a-b)
                                          print ("Division: ", a/b)
                                          Addition: 13
print ("Multiplication: ", a*b)
                                          Subtraction: 7
print ("Modulus: ", a%b)
                                          Division: 3.3333333333333333
print ("Exponent: ", a**b)
                                          Multiplication: 30
print ("Floor Division: ", a//b)
                                          Modulus: 1
                                          Exponent: 1000
                                          Floor Division: 3
                                          >>>
```

Python Relational Operators

Operator	Example
==	If(a==n) then True
>	If(a>n) then True
<	If(a <n) td="" then="" true<=""></n)>
>=	If(a>=n) then True
<=	If(a<=n) then True
!=	If(a!=n) then True
<>	If(a<>n) then True

Python Assignment Operators



```
assignmentoperator.py - D:/Documents/Python/assignmentor
File Edit Format Run Options Window Help
#Assignment operators += , -= , *= , /= , %= , **=
a=10
b=5
c = 25
a+=2
print ("Addition: ", a)
a-=2
print ("Subtraction: ", a)
a/=2
print ("Division: ", a)
a*=2
print ("Multiplication: ", a)
a%=3
print ("Modulus: ", a)
b**=2
print ("Exponent: ", b)
```

Python Bitwise Operators

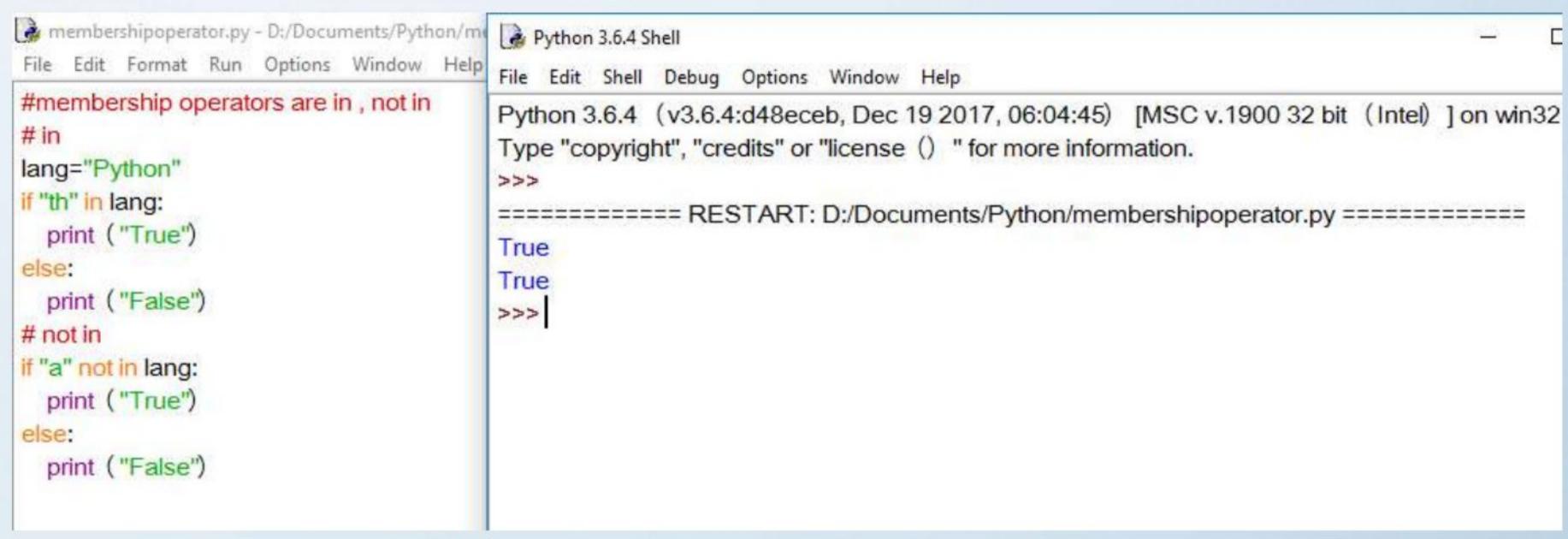
Operator	Example
& (AND)	
I (OR)	
^ (XOR)	
~ (Binary Ones Complement)	
<< (Binary Left Shift)	
>> (Binary Right Shift)	

Python Logical Operators

Operator	Example
and (AND)	
or (OR)	
not (NOT)	

Python Membership Operators





Python Identity Operators

```
Operator Example

Is
Is not
```

```
ldenticaloperators.py - D:/Documents/Python/Identicalo
                                             Python 3.6.4 Shell
File Edit Format Run Options Window Help
                                              File Edit Shell Debug Options Window Help
#Identical operators are is, is not
                                              Python 3.6.4 (v3.6.4:d48eceb, Dec 19 2017, 06:04:45) [MSC v.1900 3
#is
                                              Type "copyright", "credits" or "license () " for more information.
x = 10
                                              >>>
y="10"
                                              ======== RESTART: D:/Documents/Python/Identicaloperators.py
if x is y:
                                              False
  print ("True")
                  # is works like ===
                                              True
else:
                                             >>>
  print ("False")
# is not
if x is not y:
  print ("True")
else:
  print ("False")
```