python operator

#Arthimatic operator

In [46]:
```
x=67
x
```

Out[46]: 67

In [48]:
```
x+33
```

Out[48]: 100

In [49]:
```
x*10
```

Out[49]: 670

In [50]:
```
x**2
```

Out[50]: 4489

In [51]:
```
y=25
y
```

Out[51]: 25

In [52]:
```
x%y
```

Out[52]: 17

In [53]:
```
x/22
```

Out[53]: 3.0454545454545454

In [54]:
```
x//22
```

Out[54]: 3

In [ ]:
```

```

In [55]:
```
x-y+45
```

Out[55]: 87

assigment operator

In [82]:
```
x
```

Out[82]: 150

In [83]:
```
x=2
x
```

Out[83]: 2

In [84]:
```
x
```

Out[84]: 2

In [90]:
```
x=2+x
x
```

Out[90]: 8

In [96]:
```
x=3-x
x
```

Out[96]: 39

In [97]:
```
x=2*x
x
```

Out[97]: 78

In [102…
```
x=780/x
x
```

Out[102… 10.0

In [104…
```
x=780//x
x
```

Out[104… 10.0

#relationship operator

In [105…
```
a=6
b=9
a>b
```

Out[105… False

In [106…
```
a<b
```

Out[106… True

In [109…
```
a!=b
```

Out[109… True

In [110…
```
a>=b
```

Out[110… False

In [111…
```
a<=b
```

Out[111… True

In [112…
```
a==b
```

Out[112… False

In [113…
```
a=11
a
```

Out[113… 11

In [115…
```
a>=b
```

Out[115… True

#logical operator

In [116…
```
x= False
y= True
x
y
```

Out[116… True

In [117…
```
not x
```

Out[117… True

In [118…
```
not y
```

Out[118… False

In [120…
```
print( not x)
print( not y)
```

```
True
False
```

#Unary opreater

In [124…
```
x=33
y=44
```

In [125…
```
-x
```

Out[125… -33

In [126…
```
-y
```

Out[126… -44

python number system

In [133…
```
bin (33) #binary no. system
```

Out[133… '0b100001'

In [134…
```
0b100001
```

Out[134… 33

In [135…
```
oct (33) #octal no. system
```

Out[135… '0o41'

In [136…
```
oct (27)
```

Out[136… '0o33'

In [143…
```
0o33
```

Out[143… 27

In [137…
```
hex (75) #hexadecimal system
```

Out[137… '0x4b'

In [138…
```
hex (57)
```

Out[138… '0x39'

In [144…
```
0x39
```

Out[144… 57

Python bitwis operator

complement

In [139…
```
~1
```

Out[139… -2

In [140…
```
~68
```

Out[140… -69

In [141…
```
~99
```

Out[141… -100

In [ ]: