```
#Addition
2+1
```

```
3
```

```
#Subtraction
2-5
```

```
-3
```

```
#Multiplication
2*2
```

```
4
```

```
# Division
3/2
```

```
1.5
```

```
#Floor Division
7//3
```

```
2
```

```
#Exponentiation
2**5
```

```
32
```

```
# Modulus
15%6
```

```
3
```

```
#Order of Operations followed in Python
2+10*10+3
```

```
105
```

```
2+ 10% (10+3)
```

```
12
```

```
#Scientific Notations
```

```
4E3
```

```
4000.0
```

```
x=5
```

```
x
```

```
5
```

```
y=6.4
```

```
y
```

```
6.4
```

```
print(y)
```

```
6.4
```

```
#Addition x+y
```

```
z=x+y
```

```
print(z)
```

```
11.4
```

```
#Subtraction
```

```
z=x-y
```

```
x-y
```

```
-1.4000000000000004
```

```
#Use the in-built print function to print the variable
```

```
print (z)
```

```
-1.4000000000000004
```

```
#Find out the data type of variable z
type(y)
```

```
float
```

```
#Multiplication

z = x*y

print(z) # Print the variable z

type(z)

#Get the data type of variable z
```

```
32.0
float
```

```
# Division

z = x/y

print(z) # Print the variable z

type(z) # Get the data type of variable z
```

```
0.78125
float
```

```
#Floor division

z= x//y # Remember x=5, y=6.4

print(z)
```

```
0.0
```

```
#Set object to be a boolean

boolean_variable = False

type (boolean_variable)
```

```
bool
```

```
#Show

boolean_variable
```

```
False
```

```
type (boolean_variable)

2 == 3
```

```
False
```

```
type (boolean_variable)
```

```
2 == 0
```

```
 False
```

```
type (boolean_variable)
```

```
2 != 0
```

```
 True
```

```
type (boolean_variable)
```

```
2 != 2
```

```
 False
```

```
type (boolean_variable)
```

```
a=3
```

```
b=2
```

```
a> b
```

```
 True
```

```
type (boolean_variable)
```

```
a == 3
```

```
 True
```

```
type (boolean_variable)
```

```
b > 4
```

```
 False
```

```
type (boolean_variable)
```

```
10 < 45
```

```
 True
```

```
type (boolean_variable)
```

```
4 < 2
```

```
 False
```

```
type (boolean_variable)
```

```
3 >= 2
```

```
True
```

```
type (boolean_variable)
```

```
4 >= 4
```

```
True
```

```
type (boolean_variable)
```

```
3 <= 0
```

```
False
```

```
type (boolean_variable)
```

```
1 <= 0
```

```
False
```