In [17]:
```
#numeric data types
a = 0
print(type(a))
b = -2
print(type(b))
c = 2
print(type(c))

#float
f = 3.02
print(type(f))
f1 = -0.2
print(type(f1))
Na = 6.02e23
print(Na)

#complex
c = 2+3j

print(type(c))
d= -2+3j
print(type(d))

#Adding imaginary number to float
print(c+f)
#Adding imaginary number to int
print(c+b)

#real component is option in complex numbers
i = 3j
print(type(i))
```

```
<class 'int'>
<class 'int'>
<class 'int'>
<class 'float'>
<class 'float'>
6.02e+23
<class 'complex'>
<class 'complex'>
(5.02+3j)
3j
<class 'complex'>
```

In [18]:
```
#boolean data type
i = True
j = False
print(i)
print(type(j))
```

```
True
<class 'bool'>
```

In [27]:
```
#operatorts
x = 10
y =2
print(x+y)
```

```
print(x-y)
print(x/y)
print(x*y)
print(x%y)

print(x==y)
print(x!=y)
print(x<y)
print(x>y)
print(x<=y)
print(x>=y)

if x != y and x!=0:
    print('x and y are not equal')
```

```
12
8
5.0
20
0
False
True
False
True
False
True
x and y are not equal
```

In [ ]: