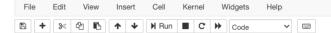


Trusted Python 3 O



Condicionales

Expresiones Booleanas

```
In [3]: print('1 == 1 : {}'.format(1 == 1))
    print('1 == 2 : {}'.format(1 == 2))

l == 1 : True
    1 == 2 : False

In [4]:    p = 1
    q = 2
    print('p == q : {}'.format(p == q))
    print('p != q : {}'.format(p != q))
    print('p > q : {}'.format(p != q))
    print('p > q : {}'.format(p < q))
    print('p >= q : {}'.format(p >= q))
    print('p <= q : {}'.format(p >= q))
    print('p is q : {}'.format(p <= q))
    print('p is q : {}'.format(p is q))
    print('p is q : {}'.format(p is q))
    print('p is q : {}'.format(p is q))
    p != q : True
    p > q : False
    p < q : True
    p >= q : False
    p <= q : True
    p is q : False
    p is q : True
</pre>
```

Operadores Lógicos

```
In [10]: x = 1

y = 3

z = x > 3 and y > x

print('x > 3 and y > x:', z)

z = x > 3 or y > x

print('x > 3 or y > x:', z)

z = not (x > 3 or y > x)

print('not (x > 3 or y > x):', z)

x > 3 and y > x : False

x > 3 or y > x : True

not (x > 3 or y > x) : False

In [11]: 17 and True

Out[11]: True
```

```
if x > 1:
    print(x, 'es mayor a', 1)

5 es mayor a 1

In [21]: x = 5
    if x % 2 == 0:
        print(x, 'es par')
    else:
        print(x, 'es impar')

5 es impar

In [24]: x = 10
    if x < 1000:
        pass

In [28]: x = 12
    y = 11
    if x > y:
```

12 es mayor a 11

print(x, 'es mayor a', y)
elif x < y:
 print(x, 'es menor a', y)
else:
 print(x, 'es igual a', y)</pre>

In [311: x = 10

```
y = 11
          if x > y:
             print(x, 'es mayor a', y)
           if x < y:
                 print(x, 'es menor a', y)
            else:
             print(x, 'es igual a', y)
          10 es menor a 11
          La evaluación de circuito corto,
In [45]: x = 6
         x >= 2 and (x/y) > 2
Out[45]: True
In [46]: x = 1
         y = 0
x \ge 2 \text{ and } (x/y) > 2
Out[46]: False
In [47]: x = 6
          x >= 2 and (x/y) > 2
          ZeroDivisionError
                                                     Traceback (most recent call last)
          <ipython-input-47-43a82c4c87c1> in <module>
            1 x = 6
2 y = 0
          ---> 3 x >= 2 and (x/y) > 2
          ZeroDivisionError: division by zero
In [48]: x = 6
         y = 0

x >= 2 and y != 0 and (x/y) > 2
Out[48]: False
          try and except
In [42]: edad = input('Ingrese su edad:\n> ')
horas = int(edad) * 365 * 24
          print('usted tiene aproximadamente {} horas de vida'.format(horas))
          Ingrese su edad:
          usted tiene aproximadamente 262800 horas de vida
In [43]: try:
           edad = input('Ingrese su edad:\n> ')
horas = int(edad) * 365 * 24
              print('usted tiene aproximadamente {} horas de vida'.format(horas))
          except:
          print('ingrese un valor numérico')
          Ingrese su edad:
          > asd
          ingrese un valor numérico
```

In []: