Python

Conditionals

Comparisons

> - greater than

< - less than

>= - greater or equal

<= - less than or equal

== - equal

!= - not equal

How to compare? IF

```python
x = input('What is x? ')
y = input('What is y? ')
if x > y:
    print(f'x > y')
elif x < y:
    print(f'x < y')
else:
    print(f'x == y')
```
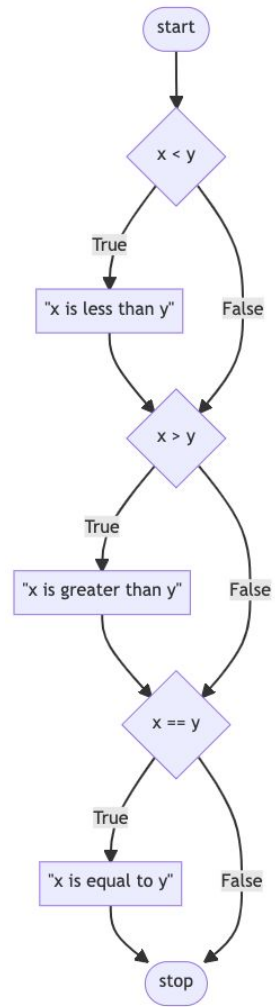
Control Flow

elif

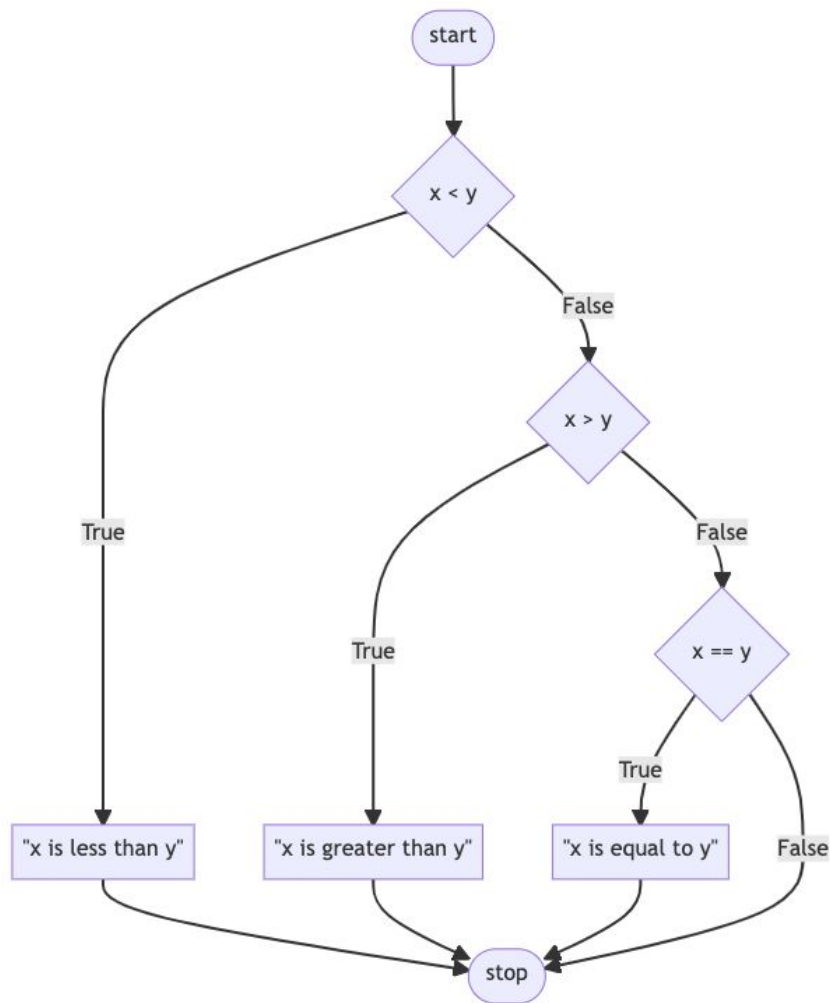Only check next in flow if false:

```python
if x > y:
    print(f'x > y')
elif x < y:
    print(f'x < y')
elif x == y:
    print(f'x == y')
```
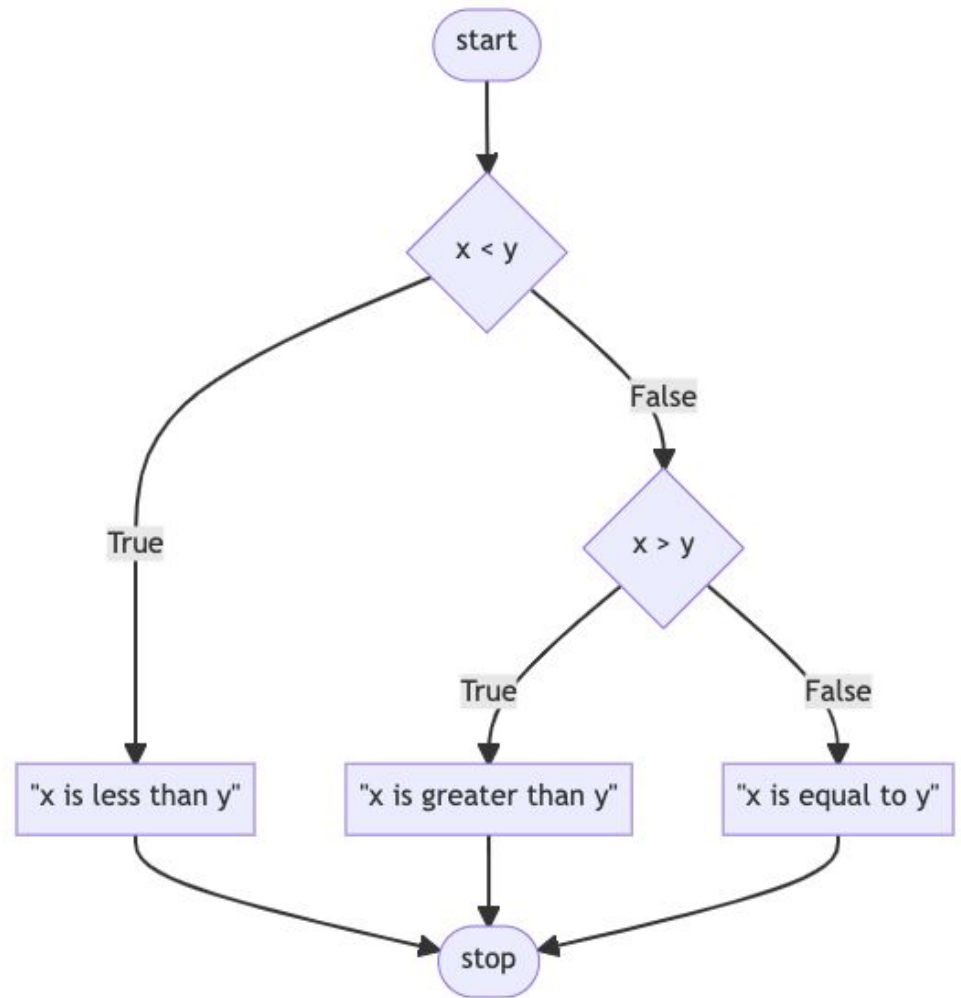
else

No other conditions met.

Reduces complexity

```python
x = input('What is x? ')
y = input('What is y? ')

if x > y:
    print(f'x > y')
elif x < y:
    print(f'x < y')
else:
    print(f'x == y')
```

Or and And

Chaining conditionals

Boolean Operators

AND

A	B	A AND B
True	True	True
True	False	False
False	True	False
False	False	False

OR

A	B	A OR B
True	True	True
True	False	True
False	True	True
False	False	False

NOT

A	NOT A
True	False
False	True

Bool Data Type

True or False