Is coffee available?

Ask for coffee

True

False

Ask for Tea

Will serve you coffee

```
if      coffee is available
            get coffee
else
            get tea
```

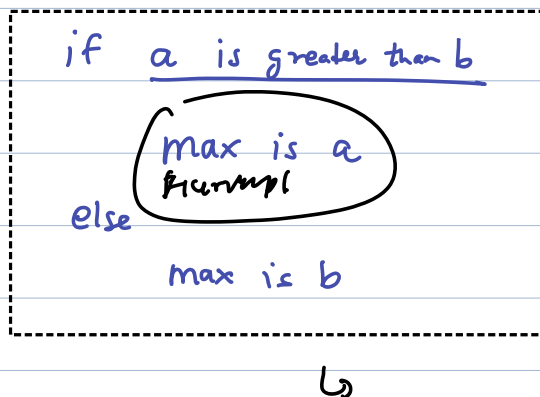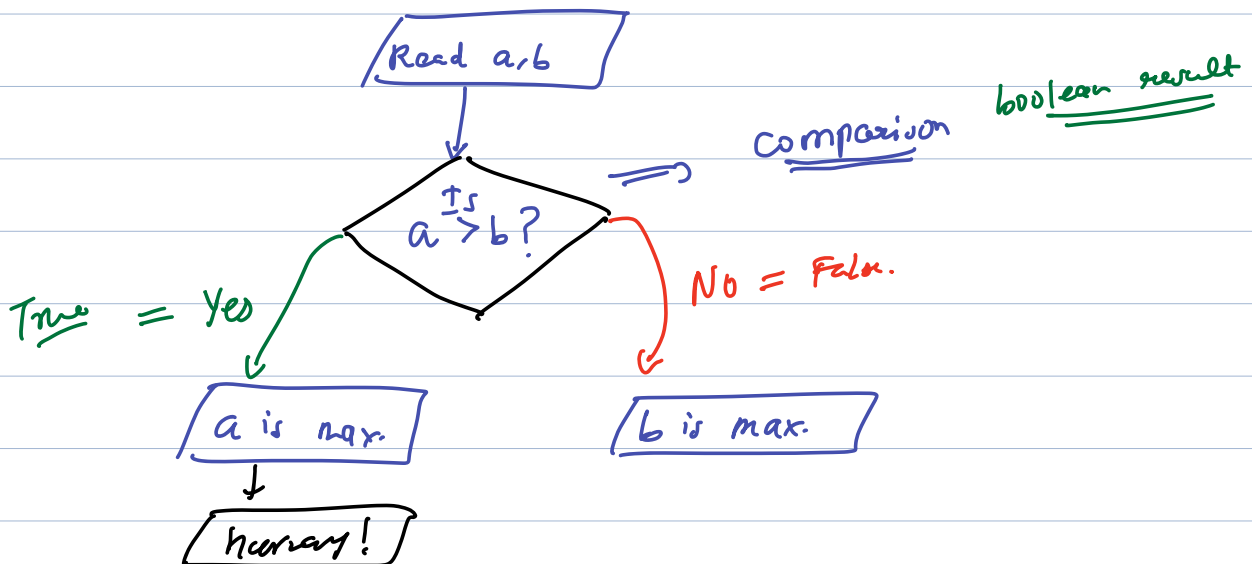Plain english Logic.

Is it raining

Yes

Take umbrella

No

Go without umbrella
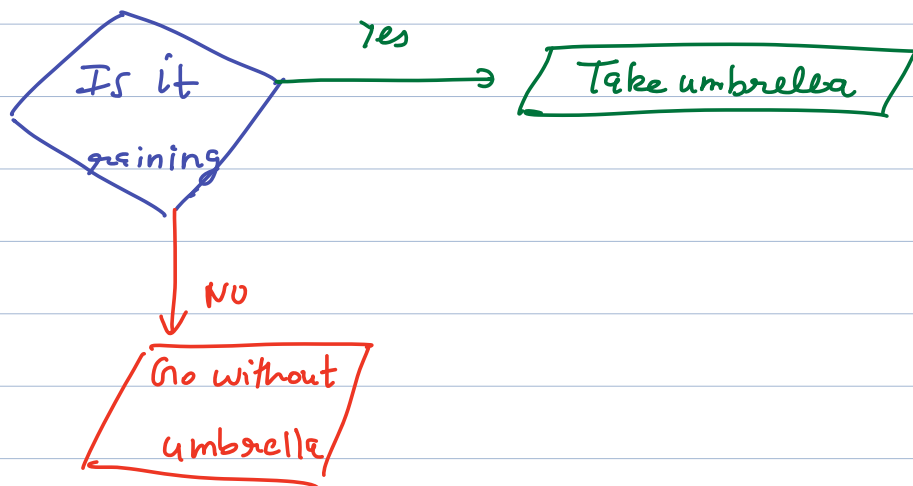
✓ **Challenge — 2**

Given 2 nums as input from the user, print the max. of the two.

a = 5
b = 3

a = 5
b = 6

Read a,b

is
a > b ?

comparison

boolean result

True = Yes

No = False.

a is max.

b is max.

hurray!

if a is greater than b

max is a
hurray!

else

max is b

Pseudo Code

Not the actual Python code.

```
if a > b:


else:

```

start of indent
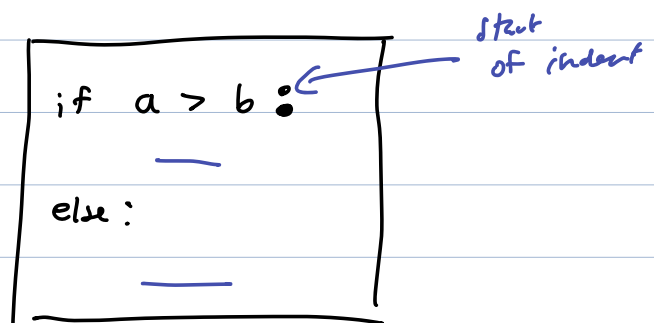
Challenge-3

Given a number 'a' check if it is (+ve) or (-ve) or (zero).

Input:

a = 5	a = -3	a = 0

Output:

Positive	Negative	Zero.
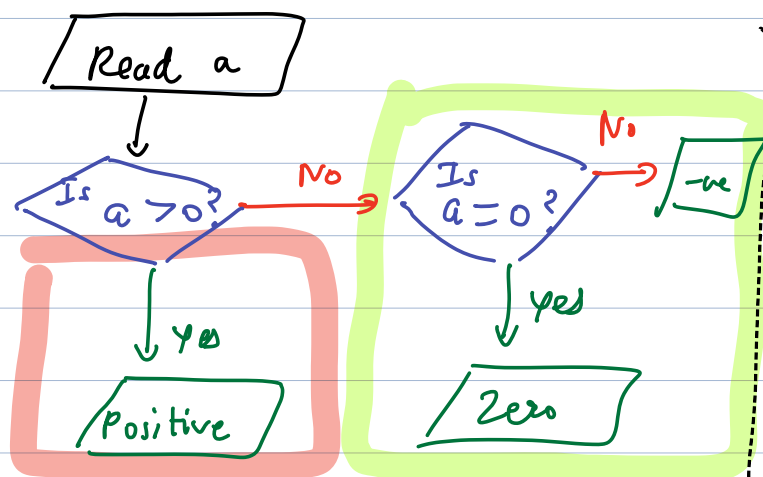
Flowchart ⟶

Plain English Code.
(PseudoCode)

if a is greater than 0
    a is +ve
else
    if a is equal to 0
        a is zero
    else
        a is -ve.

Nested
x if else.

if a is greater than 0
        a is +ve
else if a is equal to 0
        a is zero
else
        a is -ve

More than one conditions checking 1 after other & making the decision.

Weather is

Raining	→	Umbrella
Snowing	→	Raincoat | heavy Jacket
Sunny	→	Sunglasses
Cloudy	→	Umbrella
Winter	→	Coat
Windy	→	Windcheater

```
if     weather  is  raining
            Take  an  umbrella
else if   weather  is  windy
            Take  a   windcheater
else if    weather is  sunny
            Take  sunglasses
    |
    |
else
        Just Go.
```

```
if      Condition 1 :
            [____]

elif    Condition 2 :
            [____]

else :
            [____]
```

Doubts

In 1
Ram
Shyam

In 2
Sahil
Sachin

Out1   Ram says hi to Shyam   Sahil says hi to Sachin