5 MIN   INDIV

WHAT WILL THE CODE A & B PRINT?

```
x = 10                    A

if  x > 4:
        print("A")
elif x > 2:
        print("B")
```

>

```
x =10                     B

if  x > 4:
        print("A")
else :
        if x > 2:
                print("B")
```

>

WHAT WILL THE CODE PRINT?

```
X = 3

if x > 4:
        print("A")
elif x > 2:
        print("B")
```

>

5 MIN   INDIV

WHAT WILL THE CODE PRINT?

```python
x = 1

if x > 4:
        print("A")
elif x > 2:
        print("B")
```

```
>
```

3

WHAT WILL THE CODE PRINT?

```
x = 7

if x > 4:
        print("A")
if x > 2:
        print("B")
```

>
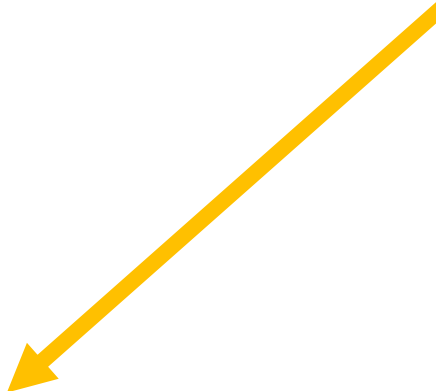
5 MIN   CLASS

What are the possible values of isGreater ?

```python
x = 6
isGreater = x > 5
if (isGreater == True) :
    print ("python")
```

```
x = 6
isGreater = x > 5 or x < 10
if (isGreater == True) :
    print ("python")
```

5 MIN   CLASS

```python
x = 10
isGreater = x > 9
if (isGreater) :
    print ("python")
```

5 MIN   CLASS

Boolean value

A **boolean** is a value that can be only
True **or** **False**

5 MIN   CLASS

What is the difference between the 2 codes

```
x = 6
isGreater = x > 5
if (isGreater == True) :
    print ("python")
```

```
x = 6
isGreater = x > 5
if (isGreater) :
    print ("python")
```

A

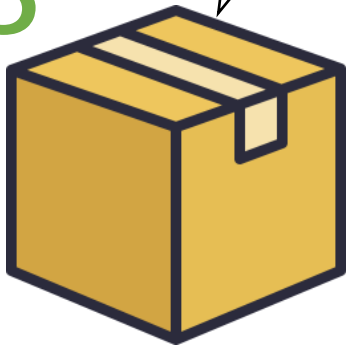Same Same

B

Different

C

I don't know

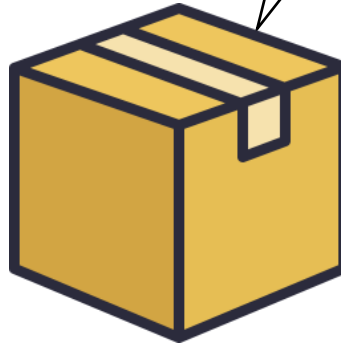# A variable's value
can be of different types

integer   decimal

Type	Possible values
Number	1, 3, 4.58
Boolean	**T**rue, **F**alse

Uppercases !!

3

My type of
value is **number**

BOB

True

My type of value
is **boolean**

BIBI

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5 MIN   CLASS

What is the difference between the 2 lines of code?

$$X = 5$$

$$X == 5$$

A

Same Same

B

Different
And I know

C

Different
But I don't know

Boolean expression

A **Boolean expression** is a composition of Boolean values using or/and/not operators

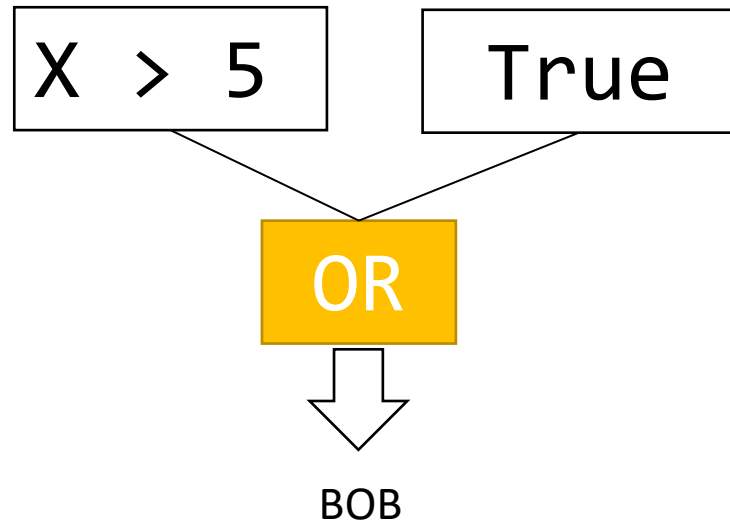# What will be the value of BOB?

X > 5   True

OR

BOB

$$X = 0$$
$$Y = 4$$
$$Z = 5$$

A

True

B

False

C

I don't know

5 MIN   CLASS

What will be the value of BOB?

X > 5   Z > Y

AND

X < 1

OR

⬇

BOB

X = 0

Y = 4

Z = 5

A

True

B

False

C

I don't know

Write this code in python on paper

5 MIN   CLASS

X > 5   Z > Y

AND   X < 1

OR

BOB
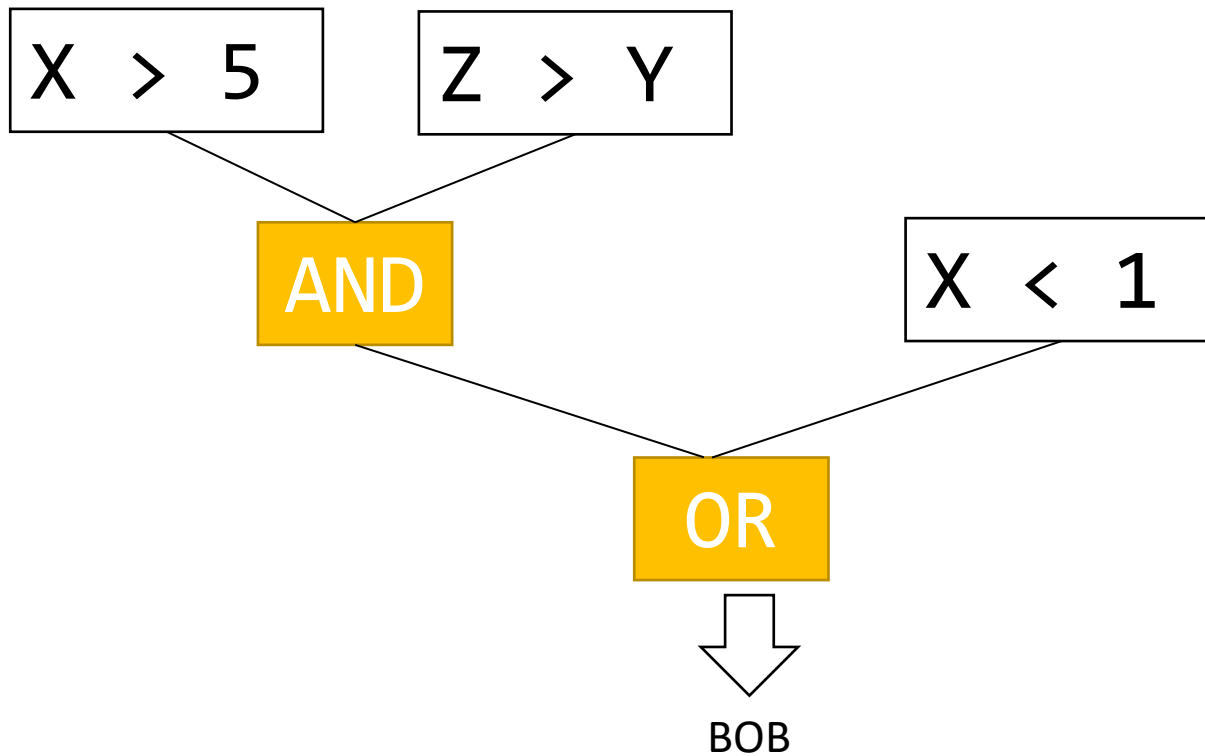
5 MIN   CLASS

WHAT WILL THE CODE PRINT?

```
x  = 13
print ( x > 7 or (x > 2 and x < 6))
```

```
>
```

5 MIN   CLASS

WHAT WILL THE CODE PRINT?

```
x  = - 5
print ( x > 7 or (x > 2 and x < 6))
```

>

What is output of cod below?

🐍 main.py > ...

```python
1   text = ""
2   text = text + "Hello, world"
3   print(text)
```

What is output of cod below?


```
main.py > [e] text
1    text = ""
2    text = text + "A"
3    text = text + "B"
4    text = text + "C"
5    print(text)
```

What is output of cod below?

```python
main.py > ...
1    text = ""
2    text = text + "5"
3    text = text + "7"
4    text = text + "9"
5    text = text + "19"
6    print(text)
```

What is output of cod below?

main.py > [⊘] text

```python
1    text = ""
2    text = text + "5"
3    text = text + 10
4    print(text)
```

What is output of cod below?

```python
main.py > [◎] text
1    text = ""
2    text += "a"
3    text += str(10)
4    print(text)
```

What is output of cod below?

main.py > ...

```python
1    text = ""
2    for i in range(10):
3        if i == 0:
4            text += "Zero"
5        if i >= 5:
6            text += "Greater than 5"
7    print(text)
```

What is output of cod below?

```python
main.py > ...
1    text = ""
2    for i in range(10):
3        if i == 0:
4            text = "Zero"
5        if i >= 5:
6            text = "Greater than 5"
7    print(text)
```

What is output of cod below?

```python
text = "Hello"
print(text[0])
```

What is output of cod below?


```python
1   text = "Hello"
2   print(text[0])
3
```

What is output of cod below?

main.py > ...

```
1    text = "Hello"
2    print(text[3])
3
```

What is output of cod below?

```python
main.py > [@] text
1    text = "Hello"
2    print(len(text))
3    text = "Hello Baby"
4    print(len(text))
5    text = "Hello World love you!"
6    print(len(text))
7
```

What is output of cod below?

main.py > [⊚] i
```python
1    text = "Hello"
2    for i in range(len(text)):
3        print(text[i])
```

What is output of cod below?

main.py > [◈] text

```
1    text = "Hello world!"
2    counter = 0
3    for i in range(len(text)):
4        if text[i] == "l":
5            counter += 1
6    print(counter)
```

What is output of cod below?

```python
main.py > ...
1     text = "aaabababababaababababababababababab"
2     counter = 0
3     for i in range(len(text)):
4         if text[i] == "a":
5             counter += 1
6     print(counter)
```

What is output of cod below?

```python
main.py > ...
1    text = "aaabababababaababababababababab"
2    counterA = 0
3    counterB = 0
4    for i in range(len(text)):
5        if text[i] == "a":
6            counterA += 1
7        else:
8            counterB += 1
9    print("Number of A: " + str(counterA))
10   print("Number of B: " + str(counterB))
```

What is output of cod below?

main.py > ...

```python
text = "aaabaccsddadfkfakkccaabbfbsbsadb"
counterA = 0
counterB = 0
for i in range(len(text)):
    if text[i] == "a":
        counterA += 1
    if text[i] == "b":
        counterB += 1
print("Number of A: " + str(counterA))
print("Number of B: " + str(counterB))
```

What is output of cod below?

```python
text = "skfajfaalfnananabababababalsa"
collectA = ""
collectB = ""
for i in range(len(text)):
    if text[i] == "a":
        collectA += text[i]
    if text[i] == "b":
        collectB += text[i]
print("Select only A: " + collectA)
print("Select only B: " + collectB)
```

What is output of cod below?

```python
main.py > ...
1    a = 10
2    b = 20
3    c = 5
4    d = 7
5    if a > 10 and b > 10 and c <= 10 and d >= 10:
6        print("Hello, world!")
7    elif a == 10 and b == 10 and c == 10 and d == 10:
8        print("Hello, Apple!")
9    print("Hello, Nothings!")
```

What is output of cod below?

```python
main.py > ...
1    a = 10
2    b = 20
3    c = 5
4    d = 7
5    if a > 10 or b > 10 or c <= 10 or d >= 10:
6        print("Hello, world!")
7    elif a == 10 or b == 10 or c == 10 or d == 10:
8        print("Hello, Apple!")
9    print("Hello, Nothings!")
```

What is output of cod below?

```
main.py > [] b
1    a = 10
2    b = 20
3    c = 5
4    d = 7
5    if a < b and c < b:
6        print("A")
7    elif a == b and d == b:
8        print("B")
9    else:
10       print("C")
```

What is output of cod below?

```python
main.py > ...
1   text = "hello world"
2   isSpace = False
3   i = 0
4   while not isSpace and i < len(text):
5       if text[i] == ' ':
6           isSpace = True
7       print(text[i])
8       i = i + 1
```

What is output of cod below?

```python
main.py > ...
1    text = "hello world"
2    isSpace = False
3    i = 0
4    while not isSpace and i < len(text):
5        if text[i] == ' ':
6            isSpace = True
7        else:
8            print(text[i])
9        i = i + 1
```