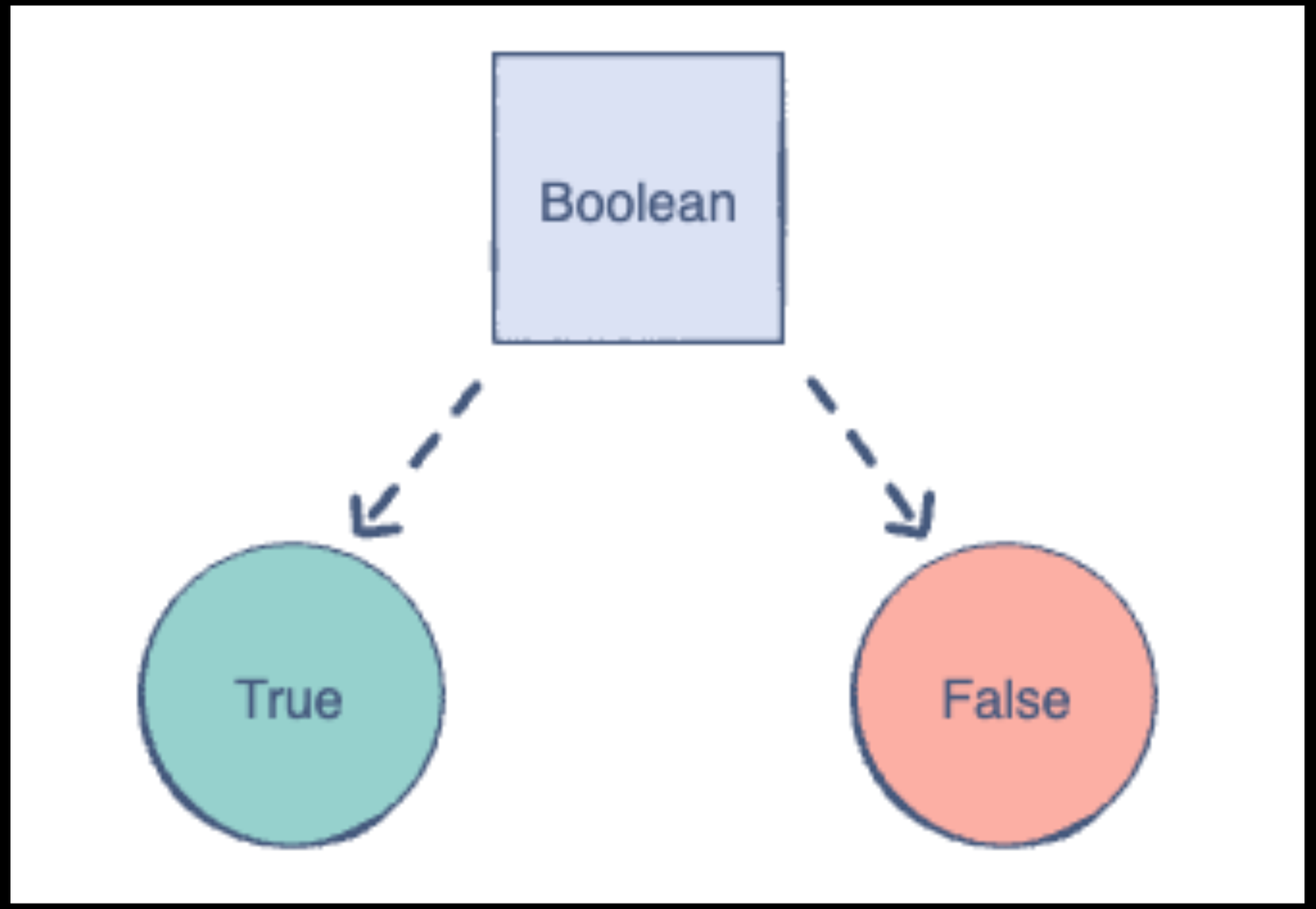
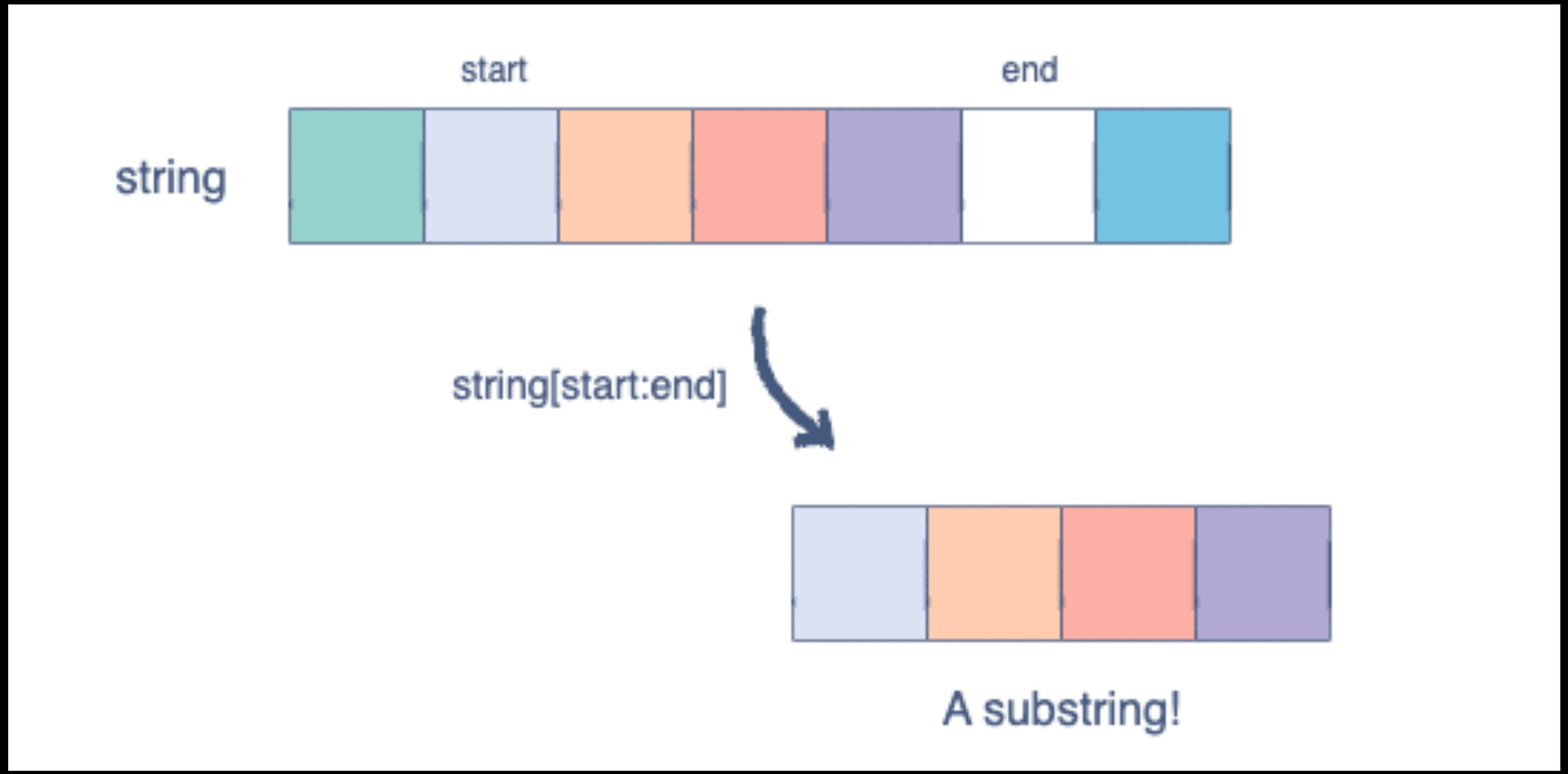
Tipos de Datos y sentencias condicionales

Joe | 2024

Booleans

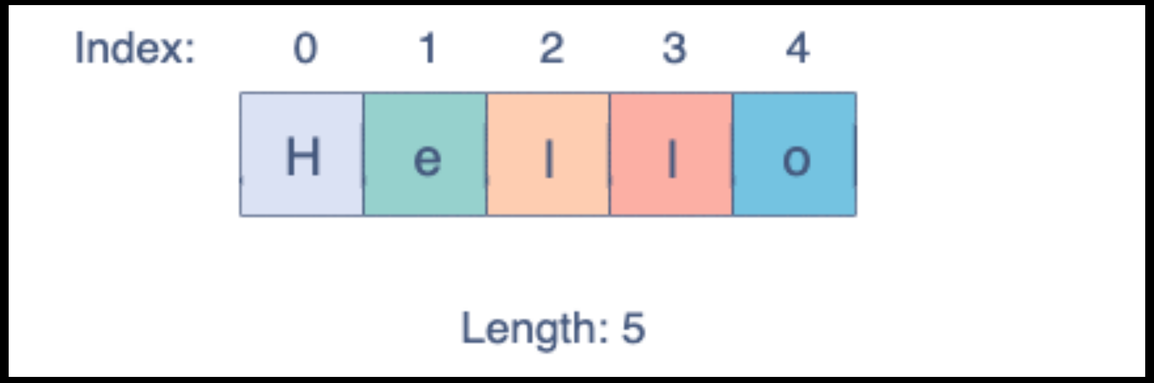


`string[start:end]`

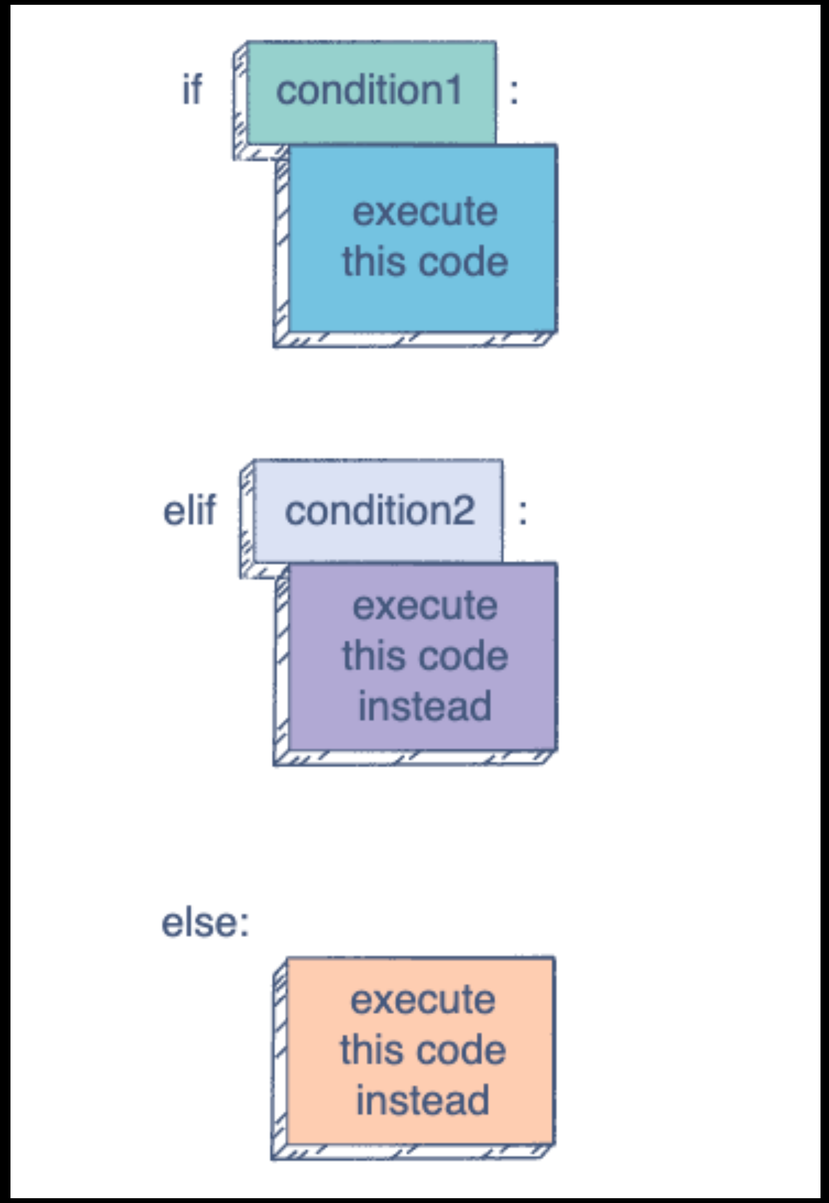


Strings

```
24
25 #Partial slicing
26 my_string = "This is MY string"
27 print(my_string[:8]) # todos los caracteres antes de la "M"
28 print(my_string[8:]) # todos los caracteres comenzando desde la "M"
29 print(my_string[:]) # todos los caracteres
30 print(my_string[::-1]) # todos los caracteres en reversa con step -1
31
```

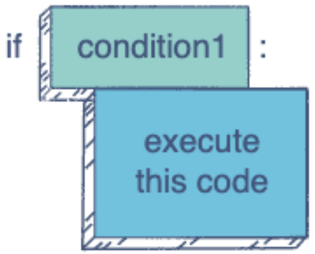


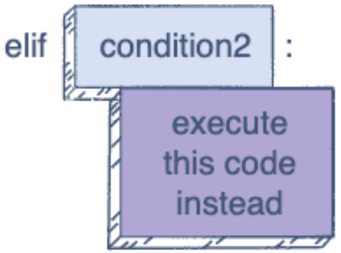
If-elif-else

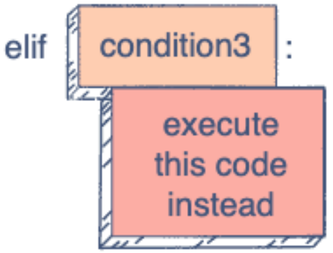

if
condition1
:
execute
this code
elif
condition2
:
execute
this code
instead
else:
execute
this code
instead

```
light = "Red"

if light == "Green":
    print("Go")
elif light == "Yellow":
        print("Caution")
elif  light == "Red":
        print("Stop")
else:
        print("Incorrect light signal")
```

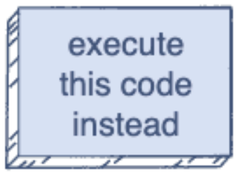






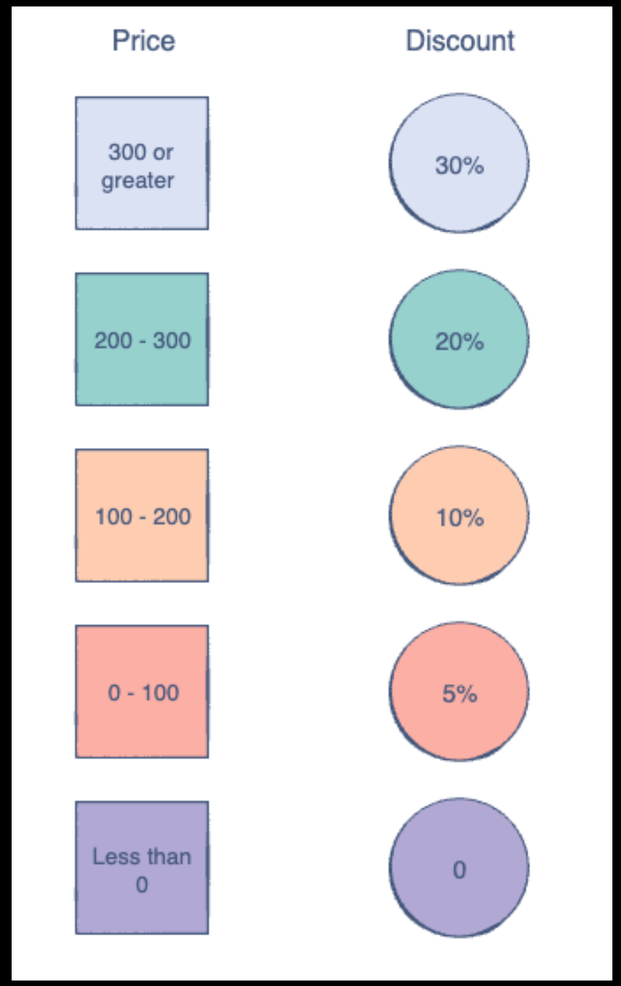
Multiple elif statements...

else:



Quiz 1

Obtener el descuento de un precio

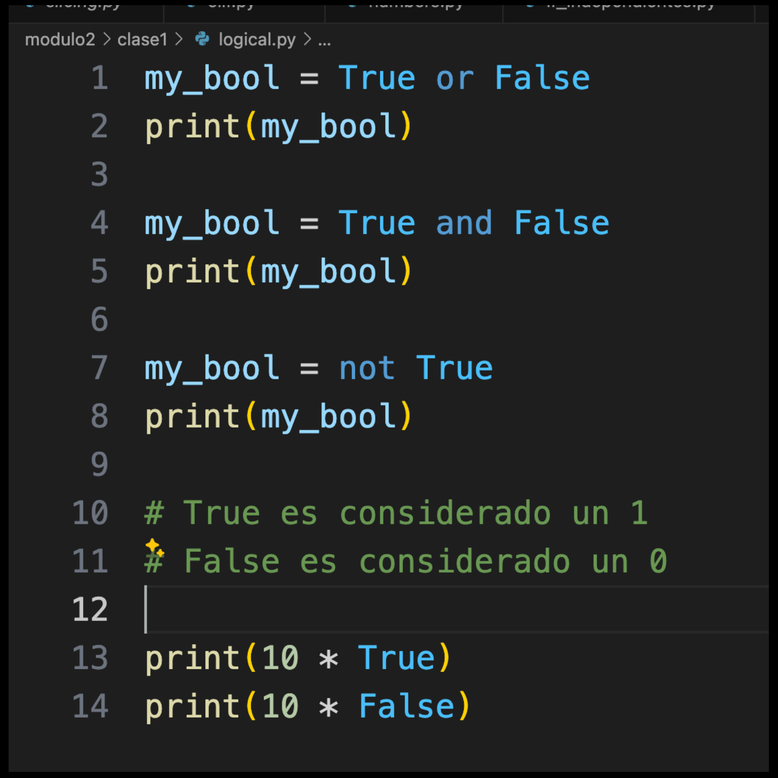


Operadores Lógicos

And

Or

Not



Operadores Bitwise

&

|

^ (Xor)

~ (Not)

<< (shift bits left)

>> (shift bits right)

modulo2 > clase1 > bitwise.py > ...

```python
num1 = 10  # 01010

num2 = 20  # 10100

print(num1 & num2)  # 00000
print(num1 | num2)  # 11110
print(num1 ^ num2)  # 11110
print(~num1)  # -11
print(num1 << 3)    # 01010000  80
print(num2 >> 3)    # 00000001  2

```

Operaciones con String

Comparaciones

Concatenaciones

Search

ulo2 > clase1 > concatenacion.py > ...

```python
first_half = "Bat"
second_half = "Man"

full_name = first_half + second_half
print(full_name)

print("ha" * 3)


random_string = "This is a random string"

print('of' in random_string)  # verifica si 'of' existe en randomString
print('random' in random_string)  # verifica si 'random' existe en randomString
```

Grouping Values

Haciendo una lista