PYTHON PRACTICE #1
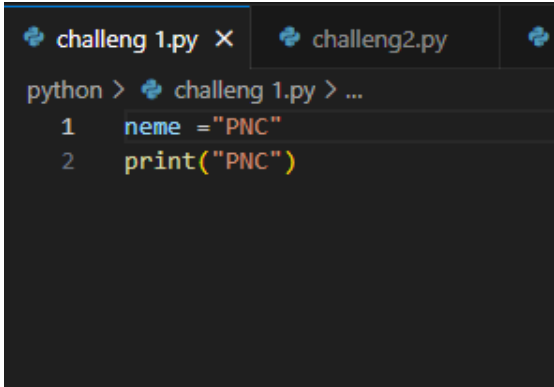
Welcome to Python!
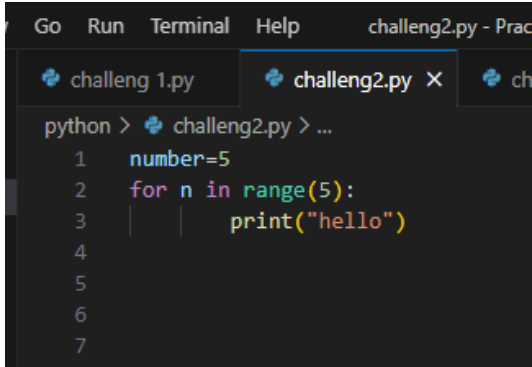
- Go to this Python editor: *Visual studio (VS Code)*
- Create a Python file name *"yourFullName.py"*

At the end you must submit this file to the google classroom.
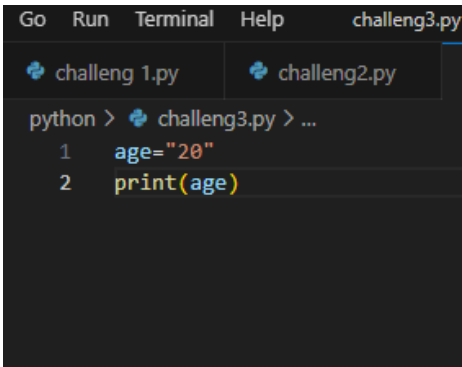
CHALLENGE 1

Instruction	Write this code in the main.py
	print("PNC")
	Click on RUN
Result	It should print this:
	PNC
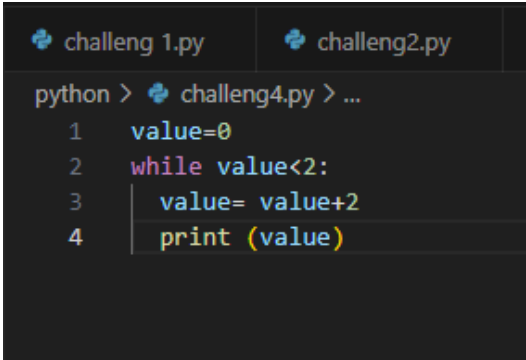
CHALLENGE 2

Instruction	Print "**HELLO**" 5 times in the monitor
Result	It should print this:
	HELLO HELLO HELLO HELLO HELLO

CHALLENGE 3
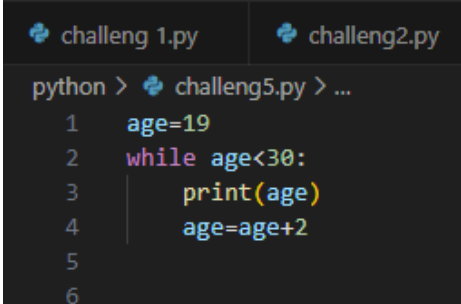
Instruction	Create a variable named **age** and set its value to 20
	Print the value of this variable
	<u>Question</u> : what is difference between :
	```- print(age):print value of the variable```
	```named age to screen```
	```- print("age"): print text "age" to screen```

Result	It should print this:
	20

```
Go   Run   Terminal   Help          challeng3.py
 challeng 1.py              challeng2.py
python >  challeng3.py > ...
    1    age="20"
    2    print(age)
```
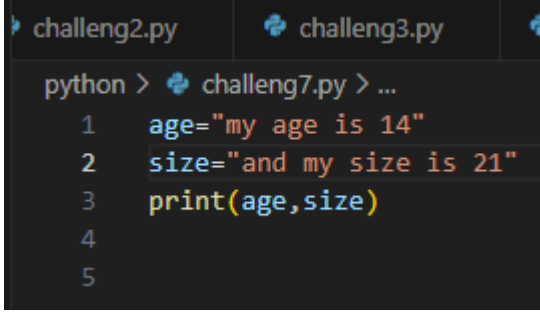
CHALLENGE 4

Instruction	• Create a variable named **value** and set its value to 0
	• Increment **value** of 2
	• Print value

Result	It should print this:
	2

```
 challeng 1.py              challeng2.py
python >  challeng4.py > ...
    1    value=0
    2    while value<2:
    3        value= value+2
    4        print (value)
```

CHALLENGE 5

Instruction	Create a variable **age** that starts at value 19
	Do the following step 6 times:
	• Print age value
	• Increment age of 2
	Max number of instruction = 4

Result	It should print this:
	19 21 23 25 27 29

```
challeng 1.py        challeng2.py
python >  challeng5.py > ...
    1    age=19
    2    while age<30:
    3        print(age)
    4        age=age+2
    5
    6
```

CHALLENGE 6

Instruction	Create a variable **age** that starts at value 1
	
	As long as age is lower (strictly) than 10:
	  • print age
	  • increment age of 1

Result	It should print this: 1 2 3 4 5 6 7 8 9

```
challeng2.py        challeng3.py
python >  challeng7.py > ...
    1    age="my age is 14"
    2    size="and my size is 21"
    3    print(age,size)
    4
    5
```

CHALLENGE 7

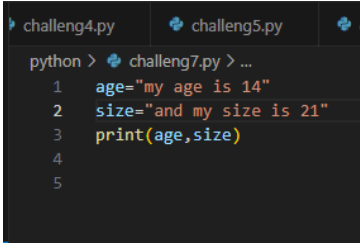*How to print a text and a variable value together?*

The following code print the text "Start age" followed by the value of the age variable:

$$\text{print("Start age : ", age)}$$

Warning: you need a comma (,) between "Start age" and age !!

Instruction	Create 2 variables
	  • age = 14
	  • size = 21
	
	You shall write the value of those 2 variables with some text, as show on the result

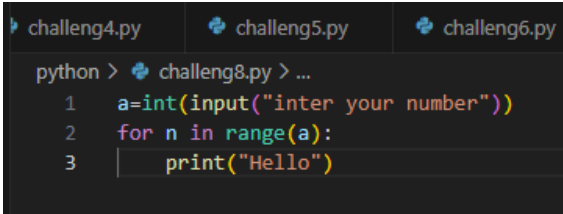|	

Result	It should print this:
	
	My age is 14 and my size is 21
	
	``
	challeng4.py challeng5.py
	
	python > challeng7.py > ...
	    1 age="my age is 14"
	    2 size="and my size is 21"
	    3 print(age,size)
	    4
	    5
	``

CHALLENGE 8

How to enter a value and store it into a variable ?

The following code get the number **entered from keyboard** and store it into the variable myNumber

$$myNumber = int(input())$$

note: you don't need to know the meaning of int(input())   just know we are getting the number...

Instruction	Get the number entered from keyboard and store it into a variable **repetition** For the number of repetitions entered by user, display "HELLO" on them monitor

Result	If user enters 4
	
	HELLO
	HELLO
	HELLO
	HELLO
	
	If user enters 2
	HELLO
	HELLO
	
	``
	challeng4.py challeng5.py challeng6.py
	
	python > challeng8.py > ...
	    1 a=int(input("inter your number"))
	    2 for n in range(a):
	    3 print("Hello")
	``

CHALLENGE 9:

Instruction	Get the number entered from keyboard and store it into a variable **userChoice** • If the userChoice is equal to 0, display "Good choice !" • Else display "Bad choice !"

Result	If user enters 0
	Good choice !
	If user enters 4
	Bad choice !

```python
python >  challeng9.py > ...
    1    a=int(input("Enter here"))
    2    x="Good choice !"
    3    y="Bad choice !"
    4    if a==0:
    5        print(x)
    6    else:
    7        print(y)
```