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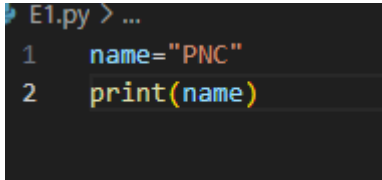
Welcome to Python!
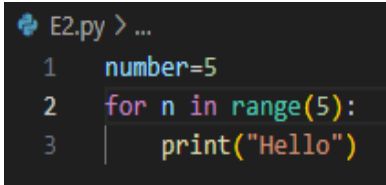
- Go to this Python editor: *Visual studio (VS Code)*
- Create a Python file name *"yourFullName.py"*

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 Question : what is difference between : - print(age):print value of the variable named age to screen - print("age"): print text "age" to screen

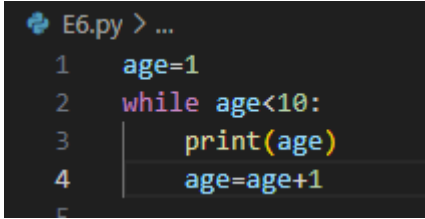| Result	It should print this: 20 E3.py > ... 1 age= 20 2 print(age)

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 E4.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 E5.py > ... 1 age=19 2 while age<30: 3 │ print(age) 4 │ age=age+2 5

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:<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br><br>```python
# E6.py > …
1   age=1
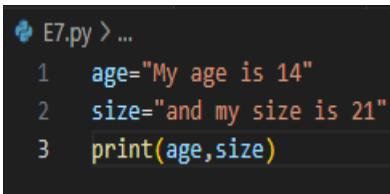2   while age<10:
3       print(age)
4       age=age+1
```|

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:

```python
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:<br>My age is 14 and my size is 21<br><br>```python
# E7.py > …
1   age="My age is 14"
2   size="and my size is 21"
3   print(age,size)
``` |
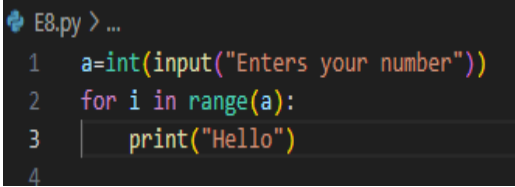
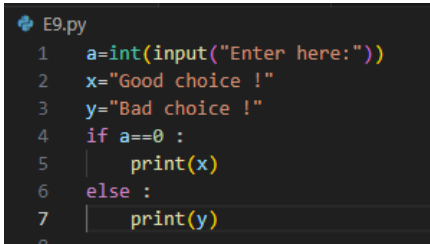# CHALLENGE 8

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

```python
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<br><br>HELLO<br>HELLO<br>HELLO<br>HELLO<br><br>```
E8.py > …
1   a=int(input("Enters your number"))
2   for i in range(a):
3       print("Hello")
4
```<br><br>If user enters  2<br>HELLO<br>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<br><br>Good choice !<br><br>If user enters  4<br><br>Bad choice !<br><br>```
E9.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)
``` |