# **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      | <pre>name="PNC" if name=="PNC":     print("PNC")</pre> |
|             | It should print this: PNC                              |

# **CHALLENGE 2**

| Instruction | <pre>Print "HELLO" 5 times in the monitor  for i in range(5):     print("Hello")</pre> |
|-------------|--|
|             |  |
| Result      | It should print this:  |
|             | HELLO  |

### **CHALLENGE 3**

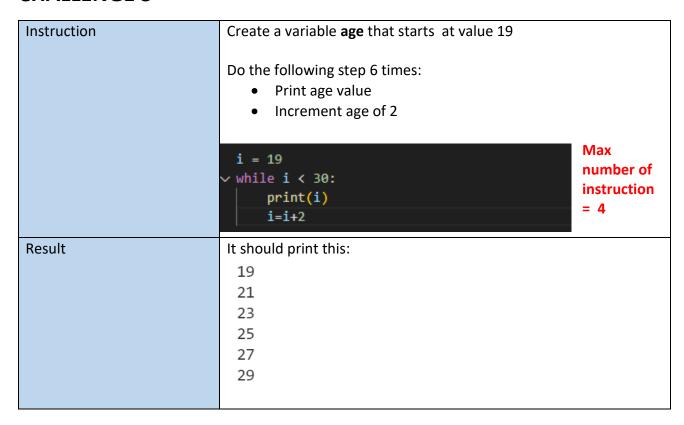
| Instruction Create a variable named age and set its value to 20 |
|---|
|---|

|        | 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 |
|--------|---|
|        | age=20<br>c=0+age<br>print(c)   |
| Result | It should print this: 20  |

# **CHALLENGE 4**

| Instruction | <ul> <li>Create a variable named value and set its value to 0</li> <li>Increment value of 2</li> <li>Print value</li> </ul> |    |
|-------------|---|----|
| Result      | <pre>index=0 index=index+2 print(index)</pre>   | It |
|             | should print this:  | •  |

# **CHALLENGE 5**



#### **CHALLENGE 6**

| Instruction | Create a variable <b>age</b> that starts at value 1  As long as age is lower (strictly) than 10:  • print age  • increment age of 1  |
|-------------|--|
| Result      | <pre>i = 1  while i &lt; 10:     print(i)     i = i + 1  It should print this:     1     2     3     4     5     6     7     8</pre> |
|             | 9  |

### **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:

print("Start age : ", age)

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

```
Create 2 variables

• age = 14

• size = 21

You shall write the value of those 2 variables with some text, as show on the result

age=14

size=21

s="My age is"

e="and my size is"

print(s,age,e,size)
```

| Result | It should print this:          |
|--------|--------------------------------|
|        | My age is 14 and my size is 21 |
|        |                                |

# **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

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 |
|-------------|--|
|             | <pre>a=int(input("Enter your number")) for i in range(a):     print("Hello")</pre>   |
| Result      | If user enters 4  HELLO  HELLO  HELLO  HELLO   |
|             | If user enters 2 HELLO HELLO   |

### **CHALLENGE 9:**

| Instruction | Get the number entered from keyboard and store it into a variable userChoice                                    |
|-------------|---|
|             | <ul> <li>If the userChoice is equal to 0, display "Good choice!"</li> <li>Else display "Bad choice!"</li> </ul> |

```
Result

userChoice=int(input("Enter your nuber"))
b=("Good choice !")
c=("Bad choice !")
if userChoice==0:
    print(b)
else:
    print(c)

If user enters 0

Good choice !

If user enters 4

Bad choice !
```