

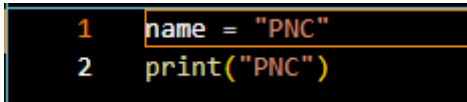

PYTHON PRACTICE #1

Welcome to Python!

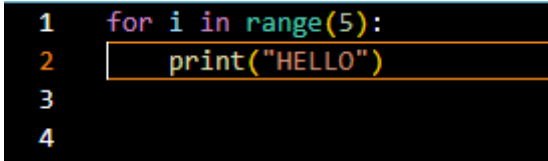
- Go to this Python editor: [Visual studio \(VS Code\)](#)
- Create a Python file name ***"yourFullName.py"***

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

CHALLENGE 1

Instruction	<p>Write this code in the main.py</p> <pre>print("PNC")</pre>  <p>Click on RUN</p> 
Result	<p>It should print this:</p> <p>PNC</p>

CHALLENGE 2

Instruction	<p>Print "HELLO" 5 times in the monitor</p> 
Result	<p>It should print this:</p> <p>HELLO HELLO HELLO HELLO HELLO</p>

CHALLENGE 3

Instruction	<p>Create a variable named age and set its value to 20 Print the value of this variable</p> <p><u>Question</u> : what is difference between :</p> <ul style="list-style-type: none">- <code>print(age)</code>: print value of the variable named age to screen- <code>print("age")</code>: print text "age" to screen <pre>1 age = 20 2 print(age) 3 4</pre>
Result	<p>It should print this:</p> <p>20</p>

CHALLENGE 4

Instruction	<ul style="list-style-type: none">• Create a variable named value and set its value to 0• Increment value of 2• Print value <pre>1 value = 0 2 value = value + 2 3 print(value) 4</pre>
Result	<p>It should print this:</p> <p>2</p>

CHALLENGE 5

Instruction	<p>Create a variable age that starts at value 19</p> <p>Do the following step 6 times:</p> <ul style="list-style-type: none">• Print age value• Increment age of 2 <p>Max number of instruction = 4</p> <pre>1 value =19 2 while value <30: 3 print(value) 4 value = value + 2 5</pre>
Result	<p>It should print this:</p> <p>19 21 23 25 27 29</p>

CHALLENGE 6

Instruction	<p>Create a variable age that starts at value 1</p> <p>As long as age is lower (strictly) than 10:</p> <ul style="list-style-type: none">• print age• increment age of 1 <pre>1 age = "1" 2 for i in range(1, 10): 3 print(i) 4</pre>
Result	<p>It should print this:</p> <p>1 2 3 4 5 6 7 8 9</p>

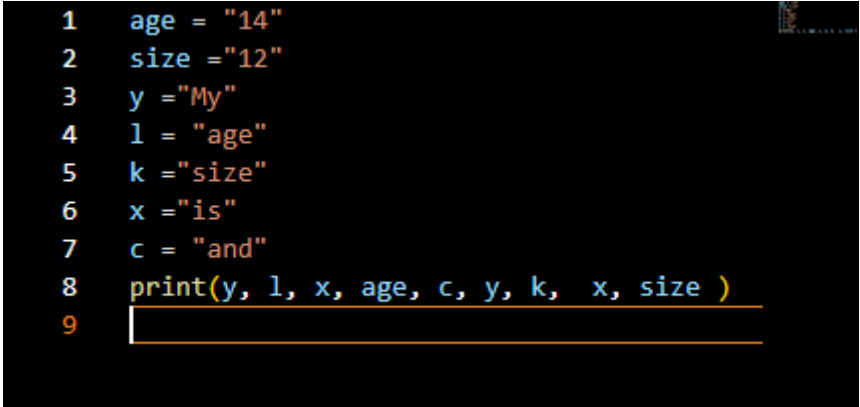
CHALLENGE 7

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 !!

Instruction	<p>Create 2 variables</p> <ul style="list-style-type: none">• age = 14• size = 21 <p>You shall write the value of those 2 variables with some text, as show on the result</p>  <pre>1 age = "14" 2 size = "21" 3 y = "My" 4 l = "age" 5 k = "size" 6 x = "is" 7 c = "and" 8 print(y, l, x, age, c, y, k, x, size) 9</pre>
Result	<p>It should print this:</p> <pre>My age is 14 and my size is 21</pre>

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	<p>Get the number entered from keyboard and store it into a variable repetition</p> <p>For the number of repetitions entered by user, display "HELLO" on them monitor</p> <pre>1 x = int(input("Enter your number here:")) 2 for x in range(x): 3 print("HELLO") 4</pre>
Result	<p>If user enters 4</p> <p>HELLO HELLO HELLO HELLO</p> <p>If user enters 2</p> <p>HELLO HELLO</p>

CHALLENGE 9:

Instruction	<p>Get the number entered from keyboard and store it into a variable userChoice</p> <ul style="list-style-type: none">• If the userChoice is equal to 0, display "Good choice !"• Else display "Bad choice !" <pre>1 userChoice = 0 2 print("lf user enters 0") 3 print("Good choice !") 4 userChoice = 4 5 print("lf user enters 4") 6 print("Bad choice !") 7 8</pre>
Result	<p>If user enters 0</p> <p>Good choice !</p>

	<div>If user enters 4</div> <div>Bad choice !</div>
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