


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

## CHALLENGE 2

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

## CHALLENGE 3

Instruction	Create a variable named <b>age</b> and set its value to 20
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	<p>Print the value of this variable</p> <p><u>Question</u> : what is difference between :</p> <ul style="list-style-type: none"> <li>- <code>print(age)</code>: print value of the variable named age to screen</li> <li>- <code>print("age")</code>: print text "age" to screen</li> </ul> <pre>age=20 c=0+age print(c)</pre>
Result	<p>It should print this:</p> <p>20</p>

## CHALLENGE 4

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

## CHALLENGE 5

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

## CHALLENGE 6

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

## 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"><li>• age = 14</li><li>• size = 21</li></ul> <p>You shall write the value of those 2 variables with some text, as show on the result</p> <pre>age=14 size=21 s="My age is" e="and my size is" print(s,age,e,size)</pre>
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Result	It should print this: My age is 14 and my size is 21
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## 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 <b>repetition</b></p> <p>For the number of repetitions entered by user, display "HELLO" on them monitor</p> <pre>a=int(input("Enter your number")) for i in range(a):     print("Hello")</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 <b>userChoice</b></p> <ul style="list-style-type: none"> <li>• If the userChoice is equal to 0, display "Good choice !"</li> <li>• Else display "Bad choice !"</li> </ul>
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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 !