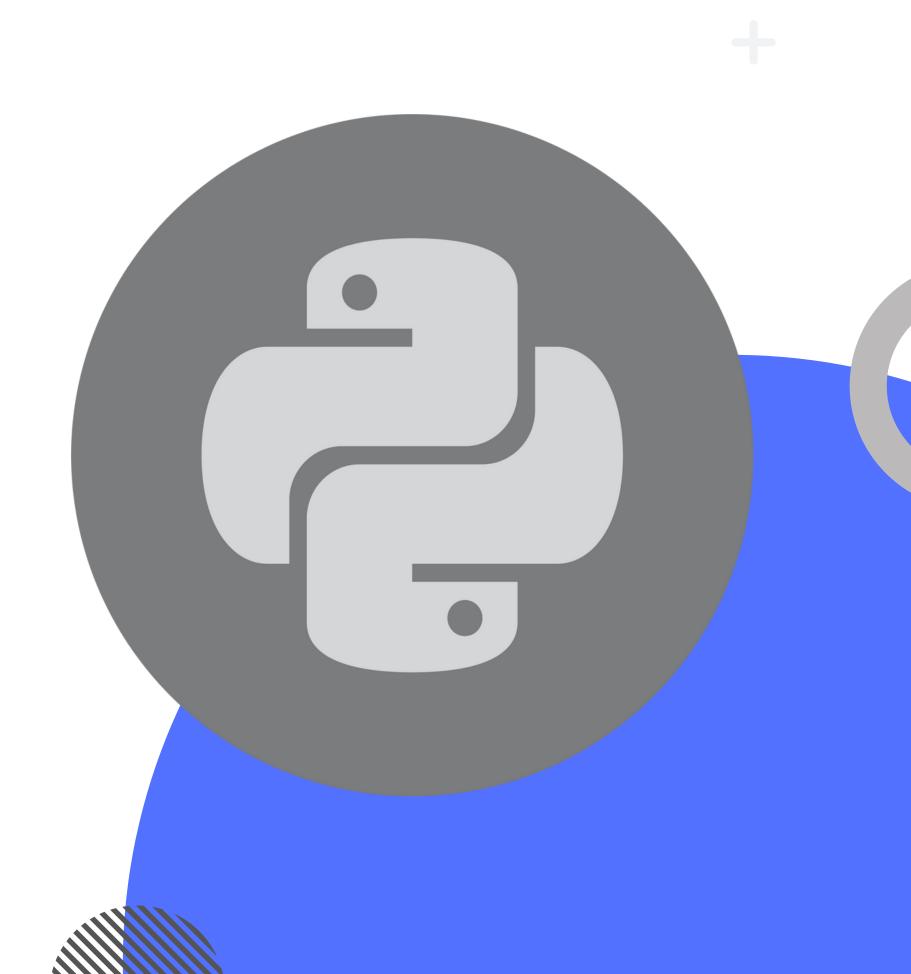
## PYTHON COURSE

#### ENTRY LEVEL

#### **Basics of programming in Python 3.10**

This course will cover part of the arguments found in  $PCEP^{TM}$  – Certified Entry-Level Python Programmer Certification



# CONTROL FLOW: CONDITIONAL BLOCKS AND LOOPS



Used to perform actions (execute a block of code) while a certain condition will be True:



ATTENTION: create some logics to stop loop execution or it will run forever!

this condition is always True

```
while True:

print("Hello")
```

The above example produces an infinite loop! so your pc will continue printing "Hello" while you manually stop the program

• Using break in while loops will stop the cicle and the program will exit the loop block

• Using continue in while loops will skip the iteration

#### PRACTICAL USE OF WHILE

```
attempts = 0
user = "aaa"
password = "abc"
while attempts <= 3:
    select_user = input("insert username: ")
    select_pass = input("insert pass")
    if select_user == user and select_pass == password:
        print("Welcome back")
       break
   else:
        print("Wrong user or pass")
        attempts += 1
        remaining = 3 - attempts
        print(f"{remaining} attempts remaining")
```

### EXERCISES