**03/10/2025**

#Exercise 1 : Hello World - Print the following output in one line of code:

text = "Hello World "

for i in range(4):

    print(text)

#Exercise 2 : Some Math - Write code that calculates the result of: (99^3)\*8 (meaning 99 to the power of 3, times 8).

a = 99

b = 3

c = 8

result = (a\*\*b) \* c

print(result)

#Exercise 3 : What’s your name ? - Write code that asks the user for their name and determines whether or not you have the same name, print out a funny message based on the outcome.

my\_name = "manu"

your\_name = input("what's your name ?")

if your\_name == my\_name:

    print("hey brother")

else:

    print("No way")

#Exercise 4 : Tall enough to ride a roller coaster / Write code that will ask the user for their height in centimeters. / If they are over 145cm print a message that states they are tall enough to ride./ If they are not tall enough print a message that says they need to grow some more to ride.

height = int(input("What' your height in cm ?"))

if height > 145:

    print("ok, enough tall to ride")

else:

    print("sorry you can't go")

#Exercise 5 : Favorite Numbers - Key Python Topics: Sets / Adding/removing items in a set / Set concatenation (using union)heir height in centimeters. / If they are over 145cm print a message that states they are tall enough to ride./ If they are not tall enough print a message that says they need to grow some more to ride.

my\_fav\_numbers = {6,9,10,12,20}

my\_fav\_numbers.add(35)

my\_fav\_numbers.add(42)

print("after  completing, my\_fav\_numbers 's :", my\_fav\_numbers)

my\_fav\_numbers.remove(42)

print("after  removing, my\_fav\_numbers 's :",my\_fav\_numbers)

friend\_fav\_numbers = {1, 2, 3, 6}

our\_fav\_numbers = my\_fav\_numbers.union(friend\_fav\_numbers)

print(our\_fav\_numbers)

#Exercise 6 : Tuple

my\_tuple = (1, 2, 3, 4)

print("Tuple initial :", my\_tuple)

try:

    my\_tuple.append(5)

    print(my\_tuple)

except:

    print("Erreur")

#Exercise 7 : Manipulation de listes

basket = ["Banana", "Apples", "Oranges", "Blueberries"]

basket.remove("Banana")

print(basket)

basket.remove("Blueberries")

print(basket)

basket.append("Kiwi")

print(basket)

basket.insert(0,"Apples")

print(basket)

print(basket.count("Apples"))

basket.clear()

print(basket)

#Exercise 8 : Sandwich Orders

sandwich\_orders = ["Tuna sandwich", "Pastrami sandwich", "Avocado sandwich", "Pastrami sandwich", "Egg sandwich", "Chicken sandwich", "Pastrami sandwich"]

while "Pastrami sandwich" in sandwich\_orders:

    sandwich\_orders.remove("Pastrami sandwich")

print("Commandes après suppression du pastrami :", sandwich\_orders)

finished\_sandwiches=[]

print(finished\_sandwiches)

sandwich\_orders\_two = sandwich\_orders[:]

print(sandwich\_orders\_two)

for sandwich in sandwich\_orders\_two :

    finished\_sandwiches.append(sandwich)

    sandwich\_orders.remove(sandwich)

    print(f"I made your {sandwich}")