

# Lab01

Before you start you should install the python interpreter and vscode or pycharm

1-add your info in Variables then print them.

- ☐firstname
- ☐lastname
- ☐email
- ☐address
- ☐intake

2- write a paragraph about yourself in 5 lines -make sure that the string is stored as a multiline string -

## Input from user

3- Given the total marks of a student→ write a program that prints the grade of a student as follows:

- Grade < 60 failed.
- Grade > 60 passed.
- Grade > 65 Good.
- Grade > 75 very good.
- Grade > 85 Excellent.

### **Input from user**

4-Write a program that prints the weather state according to the temperature

- If the temperature  $> 25$  then print “the weather is hot”
- If the temperature  $< 25$  print “the weather is cold”
- If the temperature  $= 25$  then print the “weather is fine”

### **Input from user**

5- Write a program that checks if the number is greater than 0 and then prints positive else prints negative

6- print the types of variables you entered before in **point01**

7- given 2 numbers

Num1 = 10

Num2 = 20

Calculate the sum, diff, multiply, and division of the 2 numbers.

### **Input from user**

8- ask the user to enter the name of the day

- If he entered Sunday then print(‘wish you a good week ’)

- If he entered Tuesday then print('The weekend is near ')
- If he entered Friday then print('enjoy your weekend')
- If he entered other day print('ma3lsh')
- If entered not valid day —> please enter day again.

### **Input from user**

9- ask the user to enter his name then print 'Nice to mee you name' **use f-format string**

### **Input from user**

10- ask user to enter his firstname then ask him to enter midname then ask him to enter lastname  
Then print fullname

### **Input from user**

11- ask the user to enter his age and if he enters it correctly then multiply the age by 10 and print the result.

### **Input from user**

12 - ask the user to enter 2 numbers num1 and num2 make sure that he enter them as numbers and if all is ok print the multiplication them.

## **##### Part 02 #####**

### **Input from user**

1. Ask the user to enter his name.
2. Count the number of letters in the name he entered.
3. Count the number of letters “o” in his name if exists and print the count.
4. Print the character at index 6 of the name if it exists if not, the print message says that there is no character at index 6
5. Ask the user to enter the radius of a circle
6. Calculate the circumference and the area of the circle.

### **Input from user**

7. Ask the user to enter the length and the height of a rectangle and calculate the circumference and the area.

### **Input from user**

8. Ask the user to enter his first name, and last name and print the full name using format string and concatenation