

Sheet 1: Python basics

1- Assume you have a string called "Hello, It's me" write a code to print each word individually using if condition.

2- Write a code to concatenate any 2 strings in a function called "ConCate" (inputs from user).

3- Write a function takes 3 arguments (2 numbers and mathematical operator) that returns the answer in that way:

[if math operator == '+'

So it returns the sum of the 2 numbers and same for all math inputs]

4- Write a function that can edit a tuple "any Data Casting Can be Taken".

5- Write a function that takes 2 inputs from the user, one is an integer and the other one is a string, try to concatenate them and print them.

6- Write a code that takes a string from a user, remove the first and last characters then print the string after operating.

7- Write a loop to print the even numbers between 0 and the other number as an user input, write it in 2 ways.

8- Write a function that prints this seq. the number of rows is an user input.

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9- Write a function that calculates the distance between 2 points exist on 2D graph (Use Tuples).

10- Write a function that get an matrix of inputs $n * m$ from user then calculate the mean, std division, variance, median, quantiles, sum of each column.

11- Write a code that delete all 'C' characters in a statement.

12- Write a class that has an functions to get the std division, mean, variance, median also takes an inputs from user, make this with OOP concepts.