**Python - practice number 1**

**Class exercises (finish at home)**

1. Write a program that accepts as input three characters (az). The program will make an exchange between the contents of the first variable and the last and print two lines: in the first line the three characters are arranged in the order of their reception with spaces between them. In the second row, the three characters are arranged in the reverse order of their reception (after making the exchange).

For example: for the input: 'c' ch1='a' ch2='b' ch3=

will be printed:c ch1=a ch2=b ch3=

a ch1=c ch2=b ch3=

1. Write a program that receives the price of a car before VAT, calculates and prints the price of the car including VAT at a rate of 17%.
2. Write a program that receives as input a positive two-digit number, calculates and displays as output a three-digit number, whose hundreds digit is equal to the unity digit of the input data, and the other two digits remain as they are. Example : for the input: 35 will be displayed as output: 535
3. Representation of temperature in degrees Fahrenheit (F) can be converted to a representation of temperature in degrees Celsius (C), by the formula: C= (5/9)(F-32)

The temperature should be taken in degrees Fahrenheit, calculate and print the temperature in degrees Celsius.

**for example:**For the input: 100

The output will be: 37.7777777Temperature in Celsius degrees:

1. On the toll road, payment is made for the trip according to the number of exits on the road that you pass during the trip. The price for each exit is NIS 12. An invoice is sent to the customer once a month. Ron drove three times during the last month on the toll road. Write a program that receives as input the number of exits that Ron passed through in each of his trips. The program will display as an output the total payment amount for that month, as well as the average number of exits from the road for Ron's journey in the last month.

For example: For the input: 1 2 4 (from left to right)

The output will be: 84payment =

2.33average of exits =

1. Write a program that receives as input the length of a desired string in whole centimeters, the diameter of a blue bead in whole millimeters, and the diameter of a white bead in whole millimeters. The program will display as output:
2. the number of beads needed to make a string consisting entirely of blue beads.
3. the number of beads needed to make a string made entirely of white beads.

For example: For the input: 3 2 100

The output will be: 500:only blue

333only white :

**Note:**If the length of the string is not exactly divided by the diameter of the beads, the length of the string will be shortened to the maximum possible length.

**Remarks:**

* The input and output must be accompanied by text explaining the printed data.

Successfully !