**Python - practice number 7**

1. Write an operation/function that accepts an integer and displays as output all pairs of integers whose product is equal to the received number. You must enter a number and call the above operation.
2. must be solved by a nested loop.
3. It must be solved again with only one loop.

**Remarks:**The order in which the pairs of numbers are presented has no meaning. And don't repeat the same pair of numbers twice.

**example:**For the number 8, the following output will be obtained: (8,1) (4,2) (2,4) (1,8)

For 16 the following output will be obtained: (4,4) (2,8) (8,2) (16,1) (1,16)

1. The Ministry of the Environment checked the level of water pollution in Nahal Yarkon. The measurements were ranked on a scale from 1 to 10. Where, 1 - very low pollution and 10 - very high pollution.

Write a function that receives measurement data: the day of the week when the measurement was made (number from 1 to 7) and the pollution level on that day. The function will check and return:

1. If on that day an infection level higher than 7 was measured.
2. If the tested day is a Tuesday and a pollution level of less than 4 was measured.

Write a program that receives data from 5 measurements and checks about them: on some of the days checked:

1. A contamination level higher than 7 was measured.
2. It was a Tuesday and a pollution level of less than 4 was measured.

**Note: input tests must be performed: day of the week (1-7), contamination levels (1-10)**

**Running example:**

please enter the day in the week 3

please enter the Pollution level from 1 to 10 2

please enter the day in the week 6

please enter the Pollution level from 1 to 10 90

please enter again the Pollution level from 1 to 10 7

please enter the day in the week 3

please enter the Pollution level from 1 to 10 1

please enter the day in the week 4

please enter the Pollution level from 1 to 10 8

please enter the day in the week 2

please enter the Pollution level from 1 to 10 8

Number of days when an infection level was greater than 7: 2

Number of Tuesdays where pollution level was less than 4: 2

1. Write a program that captures the length and width of a rectangle (in integer and positive values).

**Note:**Make sure that the length and width of the rectangle are positive values ​​(this must be required in the input).

Write the following functions: A function that calculates and returns the area of ​​the rectangle.

A function that returns the perimeter of the rectangle.

A function that draws the area of ​​the rectangle obtained using

asterisks

The three functions receive as parameters the length and width of the rectangle.

All functions must be called and their result printed.

Example input and output:

please enter rectangles height 4

please enter rectangles width 5

area = 20

Perimeter: 18

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**Remarks:**

* The input and output must be accompanied by text explaining the printed data.
* Variables must be given meaningful names.

Nice work