

Practice #1

Question1.

Given the coordinates of point A(x,y) on the plane. Print its quadrant.

Question2.

Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 2000 and 3200 (both included).

The numbers obtained should be printed in a comma-separated sequence on a single line.

Hints: Consider use range(#begin, #end) method.

Question3.

Write a program which can compute the factorial of a given numbers.

Question4.

Write the program to calculate this expression:

$$L = \frac{\sqrt{\sin(x) + \cos^2(x) + e^2} - |a - c|}{\sqrt{a + |b - c|}}$$

Question5.

Write the program to calculate this expression:

$$G = \frac{\operatorname{tg}(x^4 - 6) - \cos^3(z + xy)}{\cos^4 x^3 c^2}$$

Question6.

Three a, b, c real numbers are given. Print the maximum of these numbers.