Intro to Python

Homework 3

Problem 1

Write a program that prompts the user to enter an integer and checks whether the number is divisible by both 5 and 6, divisible by 5 or 6, or just one of them (but not both).

Problem 2

Write a program that generates two integers under 100 and prompts the user to enter the sum of these two integers. The program then reports true if the answer is correct, false otherwise.

Problem 3

Write a program that takes in 3 side lengths as inputs and prints out whether these lengths make up a triangle that is scalene, isosceles, or equilateral, or if these lengths cannot make up a triangle. Check your program with inputs of 2, 3, 6, and 7, 8, 8:

   a. No such triangle exists.

   b. These lengths make an isosceles triangle.

Problem 4

Write a program that displays a random uppercase letter. *Hint: Remember ASCII code (which we saw in week 2) as well as the chr() function.*