M03S01 [Arrays and Strings]: Exercise 05

CS110: Computing Lab
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Problem Description

Given a string S, write a program to determine if sum of ASCII values of all character results in a perfect square or not.

Your program should take the string input from user during the runtime and output 1 if answer is yes otherwise 0. Program can assume a fixed length of the input string.

[Perfect square: An integer is called a perfect square if it is square of an integer. For example, 9 is a perfect square as it is square of 3.]

Example 1:
Input string: 22
Expected Output: 1 [ASCII value of char 2 is 50 and hence sum is 100.]

Example 2:
Input string: y
Expected Output: 1 [ASCII value of char y is 121.]