Lecture 06 Exercises

CS 51P – Fall 2019

def mystery():  
 x = input()  
 i = 0  
 m = 1  
 n = 0  
 for c in x:  
 if i == 0 and c == '-':  
 m = 2  
 elif c == '.':  
 n = n+1  
 elif not str.isdigit(c):  
 return False  
 i = i + 1  
 return i >= m and n <= 1

What does the function mystery() do?

What would be better names for the variables x, i, m, and n?

Define a function is\_pos\_int that takes a string and returns True if the string represents an integer value and False otherwise

Write a main function that uses the functions get\_pos\_int and sum\_squares to get a positive integer from the user and then print the sum of the squares from 1 to that number