Lecture 05 Exercises

CS 51P – Fall 2019

Define a function print\_flag() that prints the following image:

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Write a program that asks the user for a positive integer and then prints that number of flags

Define a function get\_pos\_int() that repeatedly asks the user for an input until the user enters a positive integer and then returns that number as an int.

Write a program that gets a positive integer from the user (using get\_pos\_int()) and then prints that number of flags (using print\_flag())

What does the function mystery() do?

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

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

Write a program that calls function mystery()