Questions,28jan2022

1.Write a Python program to check the nth-1 string is a proper substring of nth string in a given list of strings.

2.We are making n stone piles! The first pile has n stones. If n is even, then all piles have an even number of stones. If n is odd, all piles have an odd number of stones. Each pile must more stones than the previous pile but as few as possible. Write a Python program to find the number of stones in each pile.

3.Write a Python program to check a given list of integers where the sum of the first i integers is i.

4.Write a Python program to split a string of words separated by commas and spaces into two lists, words and separators.

5.Write a Python program to find list integers containing exactly four distinct values, such that no integer repeats twice consecutively among the first twenty entries.

Note: The list needs to have length greater than ten

6.Given a string consisting of whitespace and groups of matched parentheses, write a Python program to split it into groups of perfectly matched parentheses without any whitespace.

7.Write a Python program find the longest string of a given list of strings.

8.Write a Python program to create string consisting of the non-negative integers up to n inclusive.

9.Write a Python program to find the indices of all occurrences of target in the uneven matrix.

10.Write a Python program to split a given string (s) into strings if there is a space in the string, otherwise split on commas if there is a comma, otherwise return the list of lowercase letters with odd order (order of a = 0, b = 1, etc.)