

TSU Software, Materia: Programación, Clave 50086, Semestre 17-P
Practica 04. Strings y Flujos.

1. Objetivos

Los objetivos buscados en esta práctica son los siguientes:

- Declaración y manejo de cadenas de caracteres.
- Utilizar los flujos de entrada, para obtener información requerida por un programa.

2. Ejercicios.

Exercise 1.

Write a program that figures out whether one string is an anagram of another string. The program should ignore white space and punctuation.

Input/Output

- **[time limit] 2000ms**

- **[input] String**

phrase or word

Constraints:

The program should ignore white space and punctuation.

- **[output] string**

for example, "parliament" is an anagram of "partial men"

Exercise 2.

Write a subroutine named `printCapitalized` that will print a capitalized version of a string to standard output. The string to be printed should be a parameter to the subroutine. Test your subroutine with a `main()` routine that gets a line of input from the user and applies the subroutine to it.

Exercise 3.

Write some Java statements that use the String methods `indexOf` and `substring` to find the first word in a string. We define word to be a string of characters that does not include whitespace. For example, the first word of the string "Hello, my good friend!" is the string "Hello," and the second word is the string "my".

Exercise 4.

Write a Calculator for descriptive statistics including minimum, maximum, range, sum, count, mean, median, mode, standard deviation, variance, midrange.