

Course: Introduction to Programming Using Python

Module 6. Module: Tuples, Sets, Dictionaries. Part 1

Task 1

The user inputs a fruit from the keyboard. Display the number of times this fruit occurs as an element.

Task 2

Improve Task 1 by adding the possibility to calculate how many times this fruit occurs as a part of an element. Here, for example,

banana, apple, bananamango, mango, strawberry-banana
the word banana occurs three times.

Task 3

You have a tuple containing names of car manufacturers (a name may occur from 0 to N times). The user inputs a manufacturer and a replacement word. Replace all elements in the tuple with the replacement word. The match must be complete.

Task 4

You have a tuple of integers. Display statistics on the number of digits in tuple elements. For instance:

One digit — 3 elements

Two digits — 4 elements

Three digits — 5 elements.