

Course: Introduction to Programming Using Python

Module 16. Parallel, Multithreaded, Network Programming. Part 1

Task 1

The user types in values in a list. After that, two threads start. The first thread finds the largest value in the list. The second thread finds the smallest value in the list. The results are displayed on the screen.

Task 2

The user types in values in the list. After that, two threads start. The first thread calculates the sum of elements in the list. The second thread finds the average in the list. The result is displayed on the screen.

Task 3

The user types in a path to a file containing a set of numbers. After that, two threads start. The first thread creates a new file where it writes only even elements from the list. The second thread creates a new file where it writes only odd elements from the list. Print the number of even and odd elements.

Task 4

The user types in a path to a file and a search word. After that, a thread starts. It searches for a word in the file. Print the result.