Course: Introduction to Programming Using Python

Module 3. String. Lists. Part 3

Task 1

Calculate the following in a list filled with random numbers:

- Sum of negative numbers;
- Sum of even numbers;
- Sum of odd numbers;
- Product of elements with indices divisible by 3;
- Product of elements between the smallest and the largest element;
- The sum of the elements between the first and the last positive elements.

Task 2

There is a list of integers filled with random numbers. Do the following based on this data:

- Create a list of integers containing only even numbers;
- Create a list of integers containing only odd numbers;
- Create a list of integers containing only negative numbers;
- Create a list of integers containing only positive numbers.