Course: Introduction to Programming Using Python

Module 15. Unit Testing. Part 1

Task 1

Create a class for fractions. The class should have the following functionality implemented:

- Add fractions;
- Subtract fractions;
- Multiply fractions;
- Divide fractions.

Test all the possibilities of the created class using unit testing (unittest).

Task 2

Create a Calculator class. The class should have the following functionality implemented:

- Add two numbers;
- Subtract two numbers;
- Multiply two numbers;
- Divide two numbers;
- Maximum of two numbers;
- Minimum of two numbers;
- Percentage of a number;
- Raise a number to a power.

Test all the possibilities of the created class using unit testing (unittest).