Course: Introduction to Programming Using Python

Module 9. Object-Oriented Programming

Topic. Static Methods. Part 3

Task 1

Add a static method to the Fraction class that when called returns the number of created Fraction class objects.

Task 2

Create a class to convert temperature from Celsius to Fahrenheit, and vice versa. The class must have two static methods: to convert from Celsius to Fahrenheit and from Fahrenheit to Celsius. The class should also count how many times the temperature was calculated and return this value using a static method.

Task 3

Create a class to convert from metric to imperial, and vice versa. Implement this functionality as static methods. Be sure to implement a converter for units of length.