## UMGC – CMSC 315 Project 2

## Indications and recommendations regarding assumptions, constraints and defining the Comparator

- **1.** You may consider the simplification assumption that the polynomial coefficients are positive decimal values with one only decimal value.
- 2. You may also assume that the exponents are positive integer values (including zero).
- **3.** The instructions define **two types of strictly ascending order** of polynomials: **strong order** and **weak order**.
- **4.** Test input files and their content should be created by the students using a simple text editor such as Notepad.
- **5.** Regarding defining a custom sorting comparator by implementing the Comparator interface, either of the following three techniques will be considered:
- **5.1** Defining a custom sorting comparator by using a lambda expression:

**5.2** Defining a custom sorting comparator class that implements the interface Comparator:

**5.3** Using an anonymous custom sorting comparator class to generate a Comparator object:

**Note**. For Web references about lambda expressions please check the attached file "Lambda Expressions – Web references".