

# ESO207A: Data Structures and Algorithms

## Programming Assignment 1

Deadline: 15th Jan, 2018

January 8, 2018

**Problem 1.** (10 marks) For the ADT designed in Theoretical Assignment 1 Problem 1, implement arithmetics of  $n$  digit natural numbers in C. Handle operators and exceptions.

**Problem 2.** (15 marks) Implement both queue and sequence using ADTs you have defined in Problem 2 of Theoretical Assignment 1. Use sequence ADT for sorting.