**Lab03 Top k**

**The Problem**

There are m salary earners, m < 1,000,000 and we are interested to find the top k of them, k < 100, and k <= m. Assume that all salaries are positive integers. Maximum salary can be set at 500,000,000. In this exercise, you are required to implement the most efficient solution with the use of Java **PriorityQueue**. Note that no sorting of input is allowed.

**The Input**

The program will prompt for m and k where m is the size of the numbers to be **randomly generated** and k is for the top k of these m values.

**The Output**

The top k values are to be listed in **descending order**.

**Submission**

Zip your solution and name it***Lab03g<YourLabGroupNo><YourMatricNo>.zip****.* Submit the zip file into the correct folder in your group’s workbin.