

## ECE 220 – Computer Programming for Engineering – Winter 2017

### Laboratory No. 3: “Divide and Conquer” PRE-LAB

There are two tasks in the pre-lab. You need to read Lab 3 manual and understand the lab task before you can do this pre-lab.

**Please submit** the PRE\_LAB (.pdf file) using **eClass**. The deadline is **the noon of the lab day of your section** (e.g., for Section H32, the deadline is Mar 1st, 12:00PM).

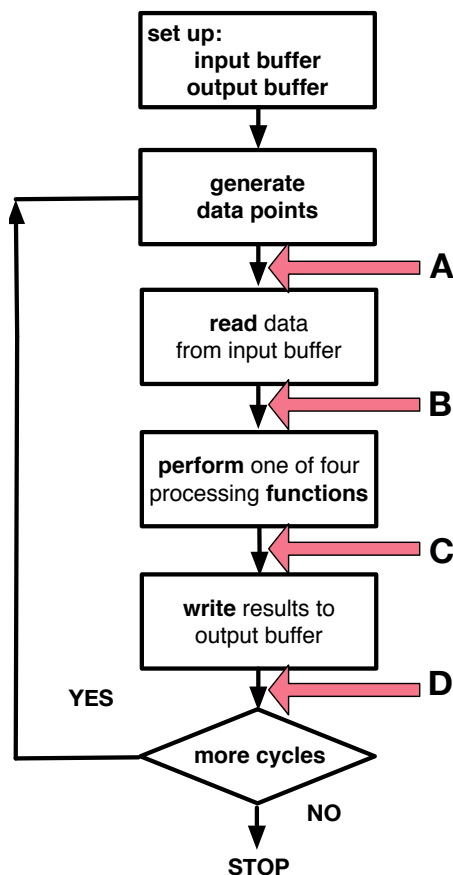


Fig 1. A simple flowchart

A very simple flowchart of the program is shown in Fig 1.

**The first pre-lab task** is to develop a detailed flowchart using the one in Fig 1 as a starting point.

**The second pre-lab task** is to ‘manually run/execute’ your flowchart and to fill out the contents of local and output buffers at locations A, B and C for a given input buffer [4, 4, 0.38, 0.54, 0.77, 0.16], Fig 2. The meanings of individual positions of both input and output buffers are given in the lab 3 manual.

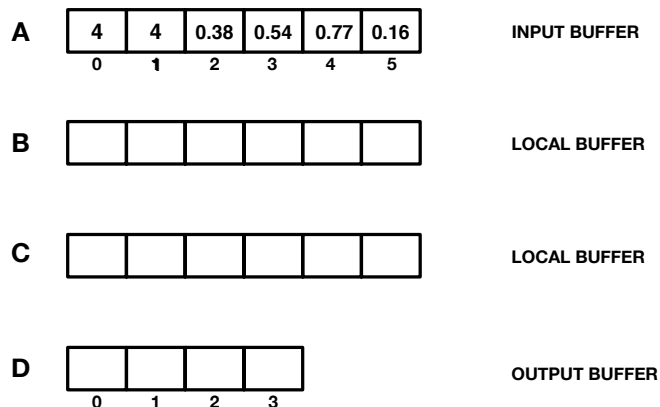


Fig 2. Structure of input and output buffers