Representation and Modelling CS4012
Lab 3

Construct a Program Analysis Chart (PAC), an Interactivity Chart, a Flowchart and pseudocode for each of the problems listed below. The charts can be created using the web app draw.io. The PAC could be created using a table in MS word. The pseudocode can be typed in a word document. Please ensure to use the appropriate indentation in the pseudocode. All charts should be saved/exported from draw.io as images and then inserted in a word document. Please submit the word document (or even better create a pdf from the word doc) to the appropriate assignment on Sulis.

1. A program to calculate the average of three numbers.
2. A program that takes two numbers and displays the numbers in decreasing order.

Notes:
1. A sample Problem Analysis Chart is available on slide 6 of chapter 3.
2. An interactivity chart is available on slide 9 of chapter 3 (but note that there is no repetition in either Q1 or Q2 on this lab sheet).
3. The flowcharts and pseudocode for these questions should follow the example on slides 17-20 of chapter 3.