**Operating systems 2: Lab 7**

Q 1

Run the Fork3\_wait. Modify this program so that the parent process displays the number from 1 to 10.

**Q 2** Run the exec program explain what each part of the code is doing. **Remove the wait command and re-run the program. Explain what is happening.**

**Q3 (basic thread program)**

Run the **thread\_example1.c** that was covered in the class. Run the program a number of times and explain the output (in a word document). *I may ask you to for a copy of this in the class.*

Q4

Run the program thread\_unsafe.c (hint: it only differes from thread\_example1.c in that the argument in the thread call is &t as opposed to t).

Q5

Run the program threadjoin.c and explain what is happening if you remove the join command.

**What is the main difference if this program was created using the fork and wait command as opposed to the thread and join command. (hint: difference between thread and process).**