

## Comp 262 - Large Scale Programming Worksheet (Week 05) Section B

In this week you will do exercises about Thread. Show all of your work to your assistant before begin to next parts.

### Part I

- Implement a tread that extends the **Thread** class. When you execute your code, your program should display the thread **id** and thread **name**.
- Now implement a second thread and this thread should implements the **Running** interface. Also this thread should display the thread **id** and thread **name**.

### Part II

- Now modify your first thread that prints out factorials of the random odd numbers between 0 and 30. Run this thread in a infinite loop.
- Now modify your second thread that prints out factorials of the random even numbers between 0 and 30. Run this thread in an infinite loop.

Hint: If you cannot see the numbers, then modify the loop that iterates 10 or 20 times

### Part III

- Modify both of your threads that print data in every 3 seconds.
- Modify your program that terminate in 30 seconds after your have started it.(Hint: use **interrupt()**, **join()**)

Show all of your work to your assistant.

NOTE: Some of the factorials are negative, try to solve this problem.

Hint: Look at the Lecture notes as reference