## CS 3305A Assignment 3 FAQ:

**Question 1:** How can I pass two parameters from a single pipe?

Answer: You must concatenate two parameters using any delimiter e.g. space, comma etc. Similarly you have to parse them in the receiving thread using the same delimiter.

**Question 2:** Is it possible to pass integer argument through command line argument?

Answer: Command line argument take any type of input as string. You have to convert them into integer before performing the mathematical operation.

**Question 3:** Thread execution is non-deterministic in nature. How can I control the execution sequence?

Answer: Yes, thread execution is non-deterministic, but there are ways of controlling the execution order. One of the objectives of this assignment is to know whether you know the technique or not.

**Question 4:** Thread ID is assigned by the OS, then how can we assign our own defined thread ID (100, 101, 102 etc.)?

Answer: Thread ID used in the assignment is NOT the actual thread ID assigned by the OS, it is a simulated thread ID. See the sample code below for clarification:

```
int main(int arge, char **argv)
{
......
.....
int thread_id_1 = 100;
pthread_create(&t1, NULL, sum, &thread_id_1);
......
}

void *sum(void *thread_id)
{
.....
.....
int *id = (int*)thread_id;
printf("thread (TID %d) reads X = %d and Y = %d from the pipe\n", *id, xxxxxx, xxxxxxxx);
.....
}
```