IS F462 Network Programming
I semester 2015-16
Lab5 Exercise

Write a program *mq.c* for the following requirements.
- parent process creates N children. N is taken as command-line argument.
- All processes use message queue(s) for inter process communication.
- The program should support broadcast communication. Broadcast is defined as when any child sends a message, it has to be received by all children including itself.
- Every child sends a random integer every 5 seconds and it is received by all children. A child sends a message to parent and parent sends to all children.
- When a child sends a message, it prints its pid and the message to the console. It does the same when it receives the message.
- When Ctrl-C is pressed by user, parent prints the total count of the messages sent by all children. Parent kills children and exits itself.

Files Expected: A tar file **<idno>_lab5.tar** containing mq.c and makefile to compile your program.

Please upload on http://nalanda latest by 20th September.