# Assignment
# Week #4
## ps With Options

1. You have to create a dummy program called "Nprocess" which takes input the number of process to create n process using fork. For example, if you want to create 8 process using fork program should be called as $ Nprocess 8.
2. First create 10 process using Nprocess and list them using ps that we have implemented in previous lab. You have to implement a version of ps that accepts arguments to modify its output. The options to be available are as follows :
   - -n Only list the name of the processes.
   - -l Print a long listing format output, i.e. all the process details are displayed in a tabular format.
   - -e Print processes in a tree format. That is in one row, a process is displayed and then subsequent rows contain its children processes. Then the next process and so on.
   - -ch Print all sleeping processes by grouping them according to the channel *chan* on which they are sleeping.
   - -d *name* Print the pid of the process with name *name*.
   - -s *state* Print all the processes with their state equal to state.
   - -m Print processes in decreasing order of the amount of memory that they are occupying.