Priority scheduling of threads

I created a method called list\_pri\_high() to sort the list and return the highest priority thread.

There is a flag “enable” to decide whether we want to process the thread with priority. And in method get\_next\_thread\_to\_run() we get the result based on flag “enable”.

A simple shell thread

In shell we can run help, ts, run, bg commands. In function command\_line() we read the input to store in a buffer and then analyzing the buffer to decide what is the operating and execute corresponding operating.

In function command\_help you can see all commands.

In function command\_ts you can get number of threads and call function thread\_information\_print() which I fetch the status, tid, name and time of thread to print thread information.

In function command\_bg you can run a thread in background.

In function command\_run you can run a thread by calling function thread\_wait which all other threads will keep executing after the thread finish.