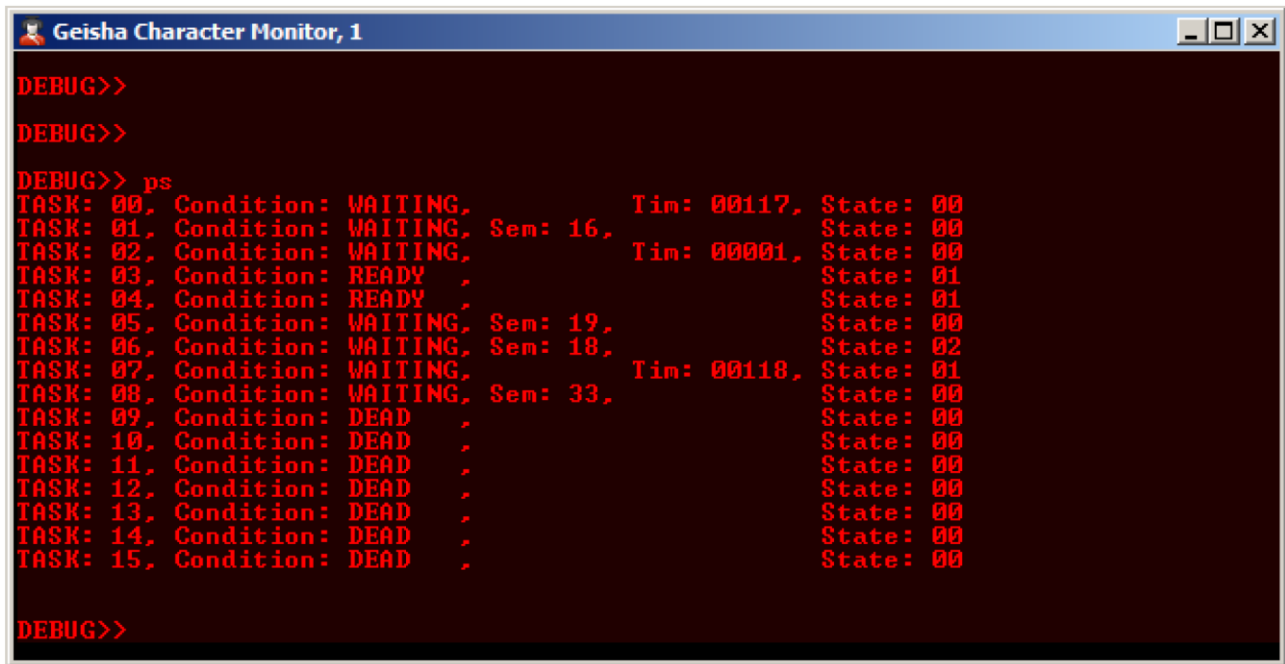


Assignment 6 / Lab7 – Debugger, RTCS

Write a debugger for the RTCS.

Make a debugger, which through the virtual serial port and a terminal program at your PC is able to show the current status of the tasks, queues, semaphores, timers, etc., running at the RTCS.

It could look like this:



```
DEBUG>>
DEBUG>>
DEBUG>> ps
TASK: 00, Condition: WAITING, Tim: 00117, State: 00
TASK: 01, Condition: WAITING, Sem: 16, State: 00
TASK: 02, Condition: WAITING, Tim: 00001, State: 00
TASK: 03, Condition: READY, State: 01
TASK: 04, Condition: READY, State: 01
TASK: 05, Condition: WAITING, Sem: 19, State: 00
TASK: 06, Condition: WAITING, Sem: 18, State: 02
TASK: 07, Condition: WAITING, Tim: 00118, State: 01
TASK: 08, Condition: WAITING, Sem: 33, State: 00
TASK: 09, Condition: DEAD, State: 00
TASK: 10, Condition: DEAD, State: 00
TASK: 11, Condition: DEAD, State: 00
TASK: 12, Condition: DEAD, State: 00
TASK: 13, Condition: DEAD, State: 00
TASK: 14, Condition: DEAD, State: 00
TASK: 15, Condition: DEAD, State: 00
DEBUG>>
```