3.1

The NULL process is initialized in the function sysinit() inside the file initialize.c . The priority of the NULL process is 0. The process state of the NULL process is 1. Lastly, t he PID of the NULL process 0.

3.5

The priority of the NULL process is initialize in initialize.c to be 0. The NULL proce ss is the only process that will have a priority of less than 1 (it will always be 0). If a pr ocess' priority is initialized to anything less than 1, a SYSERR will be returned in create.c. If a process wants to change priority to something less than one, chprio() will change the pr ocess' priority to 1 since the NULL process should be the only process with a priority of 0. A lso, if the NULL process wants to change it's priority to something other than 0, the changes made to chprio() will prevent the from changing. Therefore, the only process that will have a priority of 0, and always will, is the NULL process.