Home work problems of OS on topic : Process Creation

Q1. Find the structure of PCB in Linux. Note the path.

Q2. What is the maximum PID supported by your OS.

Q3. Use man command and learn ps command with all its options.

Q4. Modify ex0.c to include sleep() system call instead of for loop with 'j' index. Save the program as ex1.c

Q5. Modify ex2.c such that the program takes in an argument, a number of seconds. It creates a copy of itself, the child waits that many seconds and dies, the parent waits for the child to die, and then the parent dies. Test this by displaying output of ps command before termination of child and after termination of child. (Hint to test: use system(ps -l)in child process and in parent process before and after wait). Save the program as ex3.c

Q6. WAP to create following process tree. Confirm by putting judicious printf statements.