Course: COMP-8567
Assignment 04
Due date: Nov/20/2022
Marks 50

Write a **Bash script** named monitor.sh that <u>continuously</u> monitors all the current user processes (**ps -u**) and whenever **_any_** user process p has more than 6 descendants, do the following:

1. Output the process tree with p as the root on the standard output (you can use **pstree -p** **_processid_**). A sample output of _pstree is_ shown in the screenshot below

   Note: Consider **all the descendants** and not just the direct descendants.

2. A timestamp (date and time) is entered into **log.txt** followed by the contents of pstree -p _processid_

Submission Instructions:

- You are required test your program by dynamically creating or increasing the number of child processes
- Log.txt must have at least 10 entries
- Submit two files: **monitor.sh and log.txt**

Sample Screenshot showing the output of ps-u and pstree