

Q4. Write a C program that takes a file named **process.txt** as a command line parameter and takes the words which are in the position multiple of 3 and stored in the file. The selected words are written to the display and the input file is left unchanged. Compile the C file into an executable named "**dstring**". Name the C file **dstring.c**.

Now write a C program (**pstring.c**) that implements a command called "**pstring**" that you will invoke from the shell prompt. The syntax of the command is "**pstring thread.txt**". When you type the command, the command opens a new xterm window (terminal), and then take the words which are in the position multiple of 3 stored in the file thread.txt using the program "**dstring**". Look up the man pages for xterm, fork and the different variations of exec* system calls (such as execv, execve, execlp etc.) to do this assignment. Submit the C files **dstring.c** and **pstring.c**. Justify the outputs.