Refer to README_DESD_4.txt

Linux system programming assignment – 2

- 1. Create 5 children processes from a common parent and ensure that the parent terminates after cleaning all the terminated children using waitpid(). The waitpid() must be called after all the children are created and the parent has completed its work real work, if any. You must interpret the exit code of the cleaned-up processes you must cover all the possible scenarios!!!
- 2. Create 5 processes but not from the common parent. Meaning, each child creates a new process. clean-up the children using waitpid(). waitpid() must be called after all the children are created and the parent has completed its work real work, if any. You must interpret the exit code of the cleaned-up processes you must cover all the possible scenarios!!!

- 3. Create a 5 child process from a common parent and launch different applications from the children processes you may launch pdf viewer, kwrite, dolphin and gcc parent process must use waitpid() to collect the termination status of the child process waitpid() must be called after all the children are created and the parent has completed its work real work,if any. You must interpret the exit code of the cleaned-up processes you must cover all the possible scenarios !!!
- 4. Create 5 processes from a common parent and ensure that the parent terminates after cleaning all the terminated children using waitpid(). The waitpid() must be called after all the children are created and the parent has completed its work real work, if any; in addition, you must compile 5 different program files to in children processes to generate their respective object files; the parent process must use waitpid() to collect the termination status of children processes based on the exit code information generated by children processes, link all the object files to generate the final, linked program/application. In addition, the generated binary executable must be loaded in a new process, if the linking is Successful!!!

Note: refer to unix_env.txt and README_DESD_4.txt for more hints !!!