Assignment -6

1.Write a program to create a process tree consisting of 8 processes with height 3.

2.Redirecting Output: "ls -l | sort" Use FIFO to develop a program where one process will execute "ls -l" and the output of the command will act as input for other process which will execute "sort" on it.

3.Write a program to create your own man(manual) utility – myMan.c, using system calls fork, exec, pipe, dup/dup2. In this program, the parent process communicates with the child process using a pipe. The parent process accepts the unix command/system calls (eg., ls, cat, ps, fork etc.) for which the man page is desired, as command line argument. This argument is passed to the child process through the pipe and the child process invokes a new xterm terminal displaying the man page of the given command.

4. Use fork-exec combination to create a child process. The child process invoke a new program "firebox" using "exec" while parent process continue to execute ls command with command –line in current directory.