LECTURE # 10 LAB TASKS –SYSTEM PROGRAMMING

1. Write a program using fork() function, use **atexit**() or on_**exit**() function to register a function for running on termination but use _exit() in child process instead of exit() and indicate difference in program behavior, if any.

2. Write a program using fork() function, use exit() and wait combination on child and parent processes. Determine value received from wait(), i.e. status and process id.

3. Create a zombie process by creating ever running parent process while a child process should terminate after some time. Indicate status of both programs in terminal.

4. Create multiple child and store their respective process ids, in an arrays, using a loop. Use waitpid() in a loop to grab exit status from child processes and their process ids.