CSCI7645.81 Systems Programming Spring’21

# Assignment 2, Part A

**Descriptions**:

1. Modify Program 3 in Lecture 2 to call functions getpid(), getppid(), getpgid(pid\_t pid) to show process’ pid, ppid, pgid, and call getuid(), geteuid(), getgid(), getegid() to show user’s uid, euid, gid, and egid. In addition, let the program do the same as the original.

2. Develop a program that accepts one command line argument, permissions in octal numbers such as 764, and outputs the permissions in letter format,

for example, rwxrw-r-- of 764. Assume the executable file is a.out. Your running demo is as below.

opus:~ $./a.out 764

rwxrw-r--

Demo your programs in our lab session on Tuesday, 02/23/2021.