Lab Exercise 1   **Study of System calls and System Commands**

1. *Study the following system calls and system commands (using Linux manual pages)*

System Commands		System calls	
cp - -i	rmdir	fork()	opendir()
mv - -i	wc	execl()	readdir()
ls - -l	who	getpid()	open()
grep - -c,-v	head - -n	getppid()	read()
chmod	tail - -n	exit()	write()
cat	nl	wait()	creat()
mkdir	awk	close()	sleep()
rm			

Write the following in your ***observation*** for each of the commands and calls.
   a) **System Commands:**
      Name, Purpose, options, Syntax, Example
   b) **System Calls:**
      Name, Description, Header file, Syntax, Arguments, Return type (both : on success
      and on failure)

2. *Develop a C program to understand the working of fork( ).*
   (Sample code is given in next file in LMS page for you to try)

3. *Develop a C program using system calls to open a file, read the contents of the same,*
   display it and close the file. Use command line arguments to pass the file name to the
   program.
   (Reading material for command line argument is attached in the LMS page)

   Submit the code with snapshot of the output for both programs (2 & 3) one after another
   in a single pdf in the LMS.

   Maintain observation for all the assignments from now on.