

## LAB Task

### Class Activity

You are required to help a new Ubuntu user in performing Ubuntu commands. Mr. Tom is new Ubuntu user. He wants guidance regarding basic Ubuntu utilities to perform following tasks:

1. Create a file named "19f-XXXX.txt". File must contain at least 10 lines.
2. Create another file named "your name.txt". File must contain at least 10 lines.
3. Find which command is used to view contents of a file? `cat`
4. Merge the data of both files.
5. Redirect the output to a new file. `ls -output > file Name`
6. Display the first two lines of first file. `head -3 <file Name>`
7. Display the last two lines of second file.
8. Finds the string (your roll#) from the first file. `grep "text to search" <file Name>`
9. Grant the execute permission of the second file to the group.
10. Remove the write permission for the owner.
11. Now Mr. Tom suddenly lost the track of his current location. Help him find his location. `pwd`
12. He wants the list of all files present on Desktop directory. `ls ls ./<folder Name>`
13. Now he wanted to create a folder of his personal files and pictures named as your roll#.
14. Prepare a document (including screenshots) showing the execution of above mentioned commands and answers of questions.

### Exercise

Study the following commands:

- a) Information Management  
`cal, date, tty, sh, env, set, man, who, whoami`
  - b) Utility commands  
`wc, echo, tail, less, more, sort, grep, bc`
  - c) File System Management  
`ls, ln, rm, rmdir, mkdir, _le, chmod, _nd, pwd, , mv`
  - d) Process Management  
`ps, kill`
  - e) Compilation and debugging  
`gcc, g++, gdb`
1. For each command, read the documentation from man pages, e.g., using `man` command.
  2. Study important options
  3. Execute the command with options and study the output.
  4. Prepare a document (including screenshots) showing the execution of commands with at least 5 different options.