

Lab Works /Operating System

THINGS TO KNOW:

1. Lab report must contain following sections: (order must be maintained)
 - a) Title /Question
 - b) Theory: The brief overview of the concept /techniques/syntax/technology used in the program
 - c) Code: The complete code
 - d) Output: Screenshot of the output
2. Output screen should be captured (use snipping tool), printed and attached in the report.
3. Every Source code must include the printing statements to print following information after your main output:

Lab No.:

Name:

Roll No./Section :

4. Contents should be written/printed on single side of A4 sized paper.
5. Cover page and contents page should be attached in the report appropriately.
6. The works must be submitted within specified deadline.

Contents Page Format

Subject: Operating System

List of Lab Works

Lab No.	Title /Question	Submission Date	Signature
1(a)	This is sample title	2079/03/15	
1(b)	This is another title	2079/03/17	

Lab 1: Learning basic Linux commands

Use the following Linux commands and inspect the results.

(Write the syntax, use and output for each command, see the instructions below for preparing the report)

- | | | |
|--------------------|--------------------|--------------------|
| 1) ls | 18) clear | 35) comm |
| 2) cd | 19) touch | 36) cut |
| 3) grep | 20) locate | 37) sort |
| 4) su/ sudo | 21) netstat | 38) date |
| 5) pwd | 22) df | 39) cal |
| 6) mv | 23) du | 40) time |
| 7) cp | 24) uname | 41) host |
| 8) rm | 25) passwd | 42) wget |
| 9) mkdir | 26) useradd | 43) id |
| 10) rmdir | 27) userdel | 44) ps |
| 11) chmod | 28) apt-get | 45) top |
| 12) cat | 29) ping | 46) kill |
| 13) chown | 30) find | 47) pkill |
| 14) echo | 31) head | 48) killall |
| 15) wc | 32) rename | 49) bg |
| 16) man | 33) tail | 50) fg |
| 17) history | 34) tac | 51) tar |
| | | 52) gzip |

Instructions for Lab 1

Your machine / user name must be your actual name (configure accordingly). Your output screenshot must reflect this.

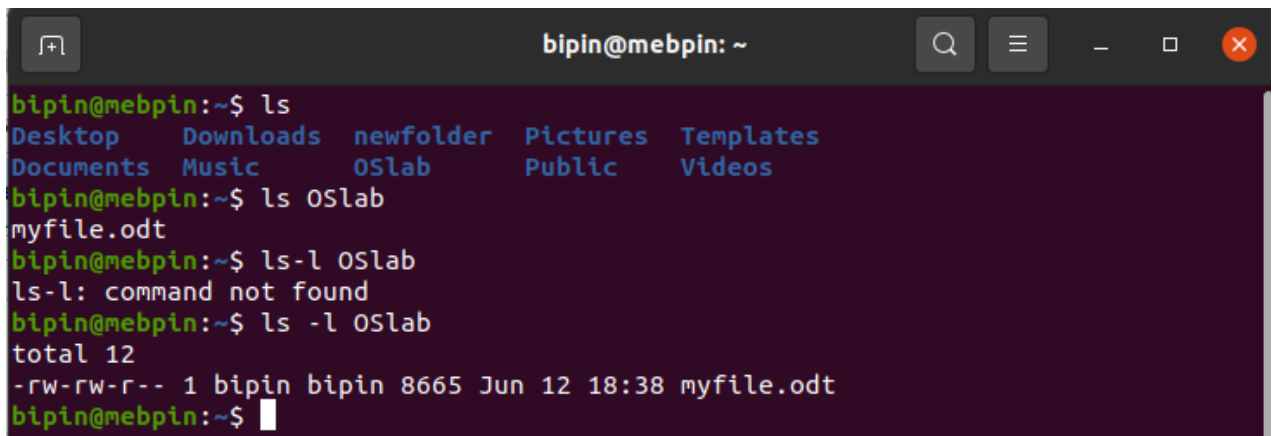
[If your name is Gopal Sharma then the OS username must be gopal]

Lab Report must contain:

- Lab No. and Title
- Linux OS name and version (The OS that you have used)
- **For each Linux Command** write
 - name
 - usage
 - syntax
 - commands execute and it's effect (about commands that you have exactly used)
 - Output (Screenshot of the command and effect after the command is execution. The screenshot must display your identity through username and/or machine name)

[Sample Report]**Lab 1: Learning Basic Linux Commands****OS Used:** Ubuntu (20.4)**1.1. Command Name:** ls**Syntax:** *ls* [option] [directory]**Usage :** The *ls* command lists files and directories within the file system, and shows detailed information about them.**Commands Used:**

- *\$ls =>* It lists all the unhidden files and directories within current directory
- *\$ls OSlab =>* It lists all the files and directories of OSlab directory
- *\$ls - l OSlab =>* It lists files in long listing format which includes:
 - The file type.
 - The file permissions.
 - Number of hard links to the file.
 - File owner.
 - File group.
 - File size.
 - Date and Time.
 - File name.

Output:


```

bipin@mebpin: ~
bipin@mebpin:~$ ls
Desktop  Downloads  newfolder  Pictures  Templates
Documents  Music      OSlab      Public    Videos
bipin@mebpin:~$ ls OSlab
myfile.odt
bipin@mebpin:~$ ls-l OSlab
ls-l: command not found
bipin@mebpin:~$ ls -l OSlab
total 12
-rw-rw-r-- 1 bipin bipin 8665 Jun 12 18:38 myfile.odt
bipin@mebpin:~$

```

1.2.Command Name: cd

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