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 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

Contents

Lab No.	**Title /Question**	**Submission Date**	**Signature**	**Remarks**
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

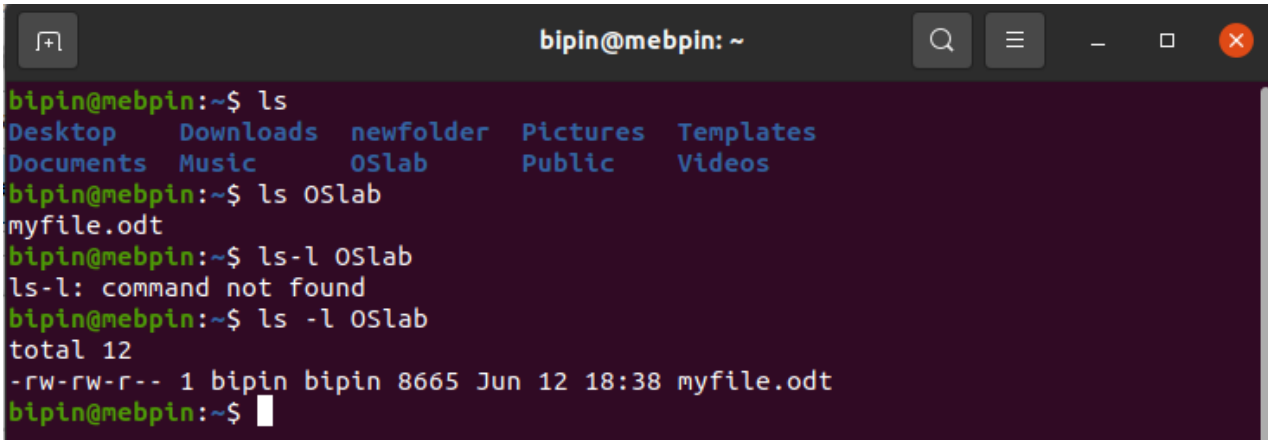
Syntax: *ls* [option] [directory]

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:



1.2.Command Name: cd

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