Experiment No. : Date :

Experiment: Start Rasberry Pi and try various linux commands in command terminal window:
ls, cd, touch, mv, rm, man, rmdir, tar, gzip, cat, more, less, ps, sudo, cron, chown etc

- ls: list the files and directories in current directory

example: ls -l

- cd changes current working directory

example: cd /home/user

- touch creates an empty file or updates timestamp

example: touch test.txt

- mv move or renames file and directories

example: mv old.txt new.txt

- rm removes (delete) files

example: rm old.txt

- man shows the manual (help page) for a command

example: man ls

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- mkdir creates a new directory
  example mkdir newfolder

- rmdir removes empty directory
  example rmdir newfolder

- tar archives multiple files into .gz format
  example tar archive.tar file1 file2

- gzip compress files into .gz format
  example gzip archive.tar

- Cat displays file content
  example cat test.txt

- more view a file content one screen at a time
  example more test.txt

- less views file content with forward / backward navigation
  example less test.txt

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- ps shows currently running processes
  example ps aux

- sudo executes commands with superuser (root) privi
  example sudo apt-get updates

- cron schedule tasks / commands to run at specific time
  example crontab -e

- chown changes the owner of file or directory
  example sudo chown user test.txt

- chgrp change group ownership of a file or directo
  example chgrp users test.txt

- ping Tests network connectivity to another computer or server
  example ping google.com