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**Roll No.:** 2021A1R047

Subject: Operating Systems Lab

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**Branch:** CSE

Section: A1, G2

pwd: Displays present working directly

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To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo_root" for details.

sia@sia-VirtualBox:~\Desktop
sia@sia-VirtualBox:~\Desktop\folder1\$ pwd
/home/sia/Desktop/folder1\$ =
sia@sia-VirtualBox:~\Desktop\folder1\$ =
sia@sia-VirtualBox:~\Desktop\folder1\$ =
```

cd : change directory

mkdir: Make directory

syntax: mkdir <directory>

#### Variants:

- 1. mkdir -v: Displays a message for every directory created.
- 2. mkdir -version: Displays the version number.
- 3. mkdir -n : Doesn't allow to copy the source file to destination file.
- 4. mkdir -p: Creates Sub-directories of a directory.
- 5. mkdir -b : Creates Back-up files.

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To run a command as administrator (user "root"), use "sudo <command>".

See "nan sudo_root" for details.

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siagsia-VirtualBox:-\Desktops folder1

siagsia-VirtualBox:-\Desktops folder5

siagsia-VirtualBox:-\Desktops folder5

siagsia-VirtualBox:-\Desktops folder5

siagsia-VirtualBox:-\Desktops folder5

siagsia-VirtualBox:-\Desktops folder1

siagsia-VirtualBox:-\Desktops folder1

siagsia-VirtualBox:-\Desktops folder1

siagsia-VirtualBox:-\Desktops folder1

siagsia-VirtualBox:-\Desktops folder1

siagsia-VirtualBox:-\Desktops folder1

siagsia-VirtualBox:-\Desktops folder3

siagsia-VirtualBox:-\Desktops folder1

siagsia-VirtualBox:-\Desktops folder3

siagsia-VirtualBox:-\Desktops folder1

siagsia-VirtualBox:-\Desktops folder1

siagsia-VirtualBox:-\Desktops folder3

siagsia-VirtualBox:-\Deskto
```

cat: Reads data from the files and gives their content as output.

Syntax: cat filename.txt

#### Variants:

- 1. cat -n a.txt : Displays line number in front of each line.
- 2. cat -e a.txt : Displays a '\$' at the end of every line.
- 3. cat -t a.txt : Puts '^I' wherever there are tabs.
- 4. cat > b.txt : Creates a new file.
- 5. cat a.txt > b.txt : To copy content from older file to new non existing file.
- 6. cat a.txt >> b.txt : Append the contents of one file to the end of another file.

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| Stagisa-VirtualBox:-/Desktop/folderis is | Salasia-VirtualBox:-/Desktop/folderis is | Salasia-VirtualBox:-/Desktop/folderis cat fl6.txt | Salasia-VirtualBox:-/Desktop/folderis cat fl6.txt | Salasia-VirtualBox:-/Desktop/folderis cat fl6.txt | Salasia-VirtualBox:-/Desktop/folderis cat -n fl7.txt | Salasia-VirtualBox:-/Desktop/folderis cat -n fl7.txt | Virtual box | VirtualBox:-/Desktop/folderis cat -n fl7.txt | VirtualBox:-/Desktop/folderis cat >newfile.txt | VirtualBox:-/Desktop/folderis cat >newfile.txt | VirtualBox:-/Desktop/folderis cat -newfile.txt | VirtualBox:-/Desktop/folderis cat newfile.txt >nf2.txt | VirtualBox:-/Desktop/folderis cat newfile.txt >nf2.txt | VirtualBox:-/Desktop/folderis cat newfile.txt >nf2.txt | VirtualBox:-/Desktop/folderis | V
```

rm: Used to remove file or directory.

Syntax: rm filename.txt

#### Variants:

1. rmdir: To remove empty directories.

- 2. rm a.txt b.txt : To remove single or multiple files.
- 3. rm -i : (Interactive deletion) Asks user for confirmation before removing each file.
- 4. rm -r: To remove directories having files.
- 5. rm \*.ext: Removes all files of same extension in a folder.