

RTM Al-Kabir Technical University

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Department Of Computer Science & Engineering

“ Lab Report On LINUX Command”

Course Code: CSE 3124

Course Title: Operating System Sessional

Submitted To:

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Command Name: `pwd`

Command Function: In Linux, `pwd` stands for **Print Working Directory**. It is a command used to display the absolute path of the current working directory in the terminal.

Output:

```
labex:project/ $ pwd
/home/labex/project
```

Command Name: `mkdir`

Command Function: The `mkdir` command in Linux is used to create new directories.

Output:

```
labex:project/ $ mkdir Spam
```

Command Name: `cd`

Command Function: The `cd` command in Linux is used to change the current working directory in the terminal. It allows you to navigate between directories in your file system.

Output :

```
labex:project/ $ cd Spam
labex:Spam/ $ pwd
/home/labex/project/Spam
```

Command Name: `touch`

Command Function: The `touch` command in Linux is used to create empty files or update the timestamps (access and modification times) of existing files.

Output:

```
labex:Spam/ $ touch spam.txt
```

Command Name: `ls`

Command Function: The `ls` command in Linux is used to list the contents of a directory, including files and subdirectories. It is one of the most commonly used commands for navigating and managing files.

Output:

```
labex:Spam/ $ ls
spam.txt
```

Command Name: `clear`

Command Function: The `clear` command in Linux is used to clear the terminal screen. It removes all previously displayed text and gives you a clean slate.

Output:

Before Run

```
labex:project/ $ pwd
/home/labex/project
labex:project/ $ mkdir Shifat
labex:project/ $ cd Shifat
labex:Shifat/ $ pwd
/home/labex/project/Shifat
labex:Shifat/ $ touch sac.txt
labex:Shifat/ $ ls
sac.txt
labex:Shifat/ $ clear
```

After Run:

```
labex:Shifat/ $
```

Command Name: `whoami`

Command Function: The `whoami` command in Linux is used to display the username of the currently logged-in user. It is a simple and quick way to find out which user account you are operating under in the terminal.

Output:

```
labex:Shifat/ $ whoami
labex
```

Command Name: `uname`

Command Function: The `uname` command in Linux is used to display system information, such as the kernel name, version, and other details about the operating system.

Output:

```
labex:Shifat/ $ uname
Linux
```

Command Name: `mv`

Command Function: The `mv` command in Linux is used to **move** or **rename** files and directories.

Output:

```
labex:Spam/ $ mv spam.txt possible.txt
labex:Spam/ $ ls
possible.txt  spam2.txt
```

Command Name: `cp`

Command Function: The `cp` command in Linux is used to **copy files and directories**.

Output:

```
labex:Spam/ $ cp spam.txt spam2.txt
labex:Spam/ $ ls
spam.txt  spam2.txt
```

Command Name: `rm`

Command Function: The `rm` command in Linux is used to **remove (delete)** files or directories.

Output:

```
labex:Shifat/ $ ls
s1.txt  s2.txt  sac.txt
labex:Shifat/ $ rm s1.txt
labex:Shifat/ $ ls
s2.txt  sac.txt
```

Command Name: `rmdir`

Command Function: The `rmdir` command in Linux is used to remove **empty directories**. Unlike `rm -r`, it only works on directories that contain no files or subdirectories.

Output:

```
labex:Spam/ $ mkdir 433
labex:Spam/ $ ls
433 spam.txt
labex:Spam/ $ rmdir 433
labex:Spam/ $ ls
spam.txt
labex:Spam/ $
```

Command Name: `id`

Command Function: The `id` command in Linux is used to display user and group information for the current user or a specified user. It provides details like user ID (UID), group ID (GID), and the groups a user belongs to.

Output:

```
labex:project/ $ id
uid=5000(labex) gid=5000(labex) groups=5000(labex),27(sudo),121(ssl-cert),5002(public)
```