



# Softwarica

College of IT & E-commerce

---

Name: Abhishek Adhikari

Class: Foundation Group 37A

Email: [adhikaryabhishek209@gmail.com](mailto:adhikaryabhishek209@gmail.com)

Submitted to Rikesh Maharjan



Linux Grasshopper Journey Documentation.....	3
1. Getting Started:.....	3
1.1 History .....	3
1.2 Choosing a Linux Distribution .....	3
1.3 Debian .....	4
1.4 Red Hat Enterprise Linux .....	5
1.5 Ubuntu .....	5
1.6 Fedora .....	6
1.7 Linux Mint .....	7
1.8 Gentoo.....	7
1.9 Arch Linux.....	8
1.10 openSUSE.....	9
2. Command Line:.....	9
2.1 The Shell .....	9
2.2 pwd (Print Working Directory).....	10
2.3 cd (Change Directory) .....	11
2.4 ls (List Directories).....	11
2.5 touch.....	12
2.6 file.....	13
2.7 cat.....	13
2.8 less .....	14
2.9 history .....	15
2.10 cp (Copy).....	15
2.11 mv (Move).....	16
2.12 mkdir (Make Directory) .....	17
2.13 rm (Remove).....	17
2.14 find.....	18
2.15 help.....	19
2.16 man .....	19
2.17 whatis .....	20
2.18 alias .....	21



2.19 exit.....	21
3. User Management .....	22
3.1 Users and Groups .....	22
3.2 root .....	23
3.3 /etc/passwd .....	24
3.4 /etc/shadow .....	25
3.5 /etc/group .....	26
3.6 User Management Tools.....	27
4. References .....	28



# Linux Grasshopper Journey Documentation

## 1. Getting Started:

### 1.1 History

- Visual: The terminal screen shows the command.

### Quiz

Who developed the Linux kernel?

✓ Correct answer!

Check Answer

Continue

### 1.2 Choosing a Linux Distribution

- Visual: The terminal screen shows the command.



## Quiz

No questions, skip ahead!

✓ Correct answer!

Check Answer

Continue

### 1.3 Debian

- Visual: The terminal screen shows the command.

## Quiz

What kind of release does Testing and Unstable have?

✓ Correct answer!

rolling

Check Answer

Continue



## 1.4 Red Hat Enterprise Linux

- Visual: The terminal screen shows the command.

### Quiz

What package manager does RHEL use?

✓ Correct answer!

Check Answer

Continue

## 1.5 Ubuntu

- Visual: The terminal screen shows the command.



## Quiz

What operating system is Ubuntu based off of?

✓ Correct answer!

Check Answer

Continue

## 1.6 Fedora

- Visual: The terminal screen shows the command.

## Quiz

What is RHEL branched off of?

✓ Correct answer!

Check Answer

Continue



## 1.7 Linux Mint

- Visual: The terminal screen shows the command.

### Quiz

What is Linux Mint based off of?

✓ Correct answer!

## 1.8 Gentoo

- Visual: The terminal screen shows the command.





## Quiz

What package management system does Gentoo use?

✓ Correct answer!

Check Answer

Continue

## 1.9 Arch Linux

- Visual: The terminal screen shows the command.

## Quiz

What package manager does Arch Linux use?

✓ Correct answer!

Check Answer

Continue



## 1.10 openSUSE

- Visual: The terminal screen shows the command.

### Quiz

What package manager does Arch Linux use?

✓ Correct answer!

Check Answer

Continue

## 2. Command Line:

### 2.1 The Shell

- Visual: The terminal screen shows the command.



## Quiz

What should be outputted to the display when you type echo Hello World?

✓ Correct answer!

Check Answer

Continue

## 2.2 pwd (Print Working Directory)

- Visual: The terminal screen shows the command.

## Quiz

How do I find what directory you are currently in?

✓ Correct answer!

Check Answer

Continue



## 2.3 cd (Change Directory)

- Visual: The terminal screen shows the command.

### Quiz

If you are in /home/pete/Pictures and wanted to go to /home/pete, what's a good shortcut to use?

✓ Correct answer!

Check Answer

Continue

## 2.4 ls (List Directories)

- Visual: The terminal screen shows the command.



## Quiz

What command would you use to see hidden files?

✓ Correct answer!

Check Answer

Continue

## 2.5 touch

- Visual: The terminal screen shows the command.

## Quiz

How do you create a file called myfile?

✓ Correct answer!

Check Answer

Continue



## 2.6 file

- Visual: The terminal screen shows the command.

### Quiz

What command can you use to find the file type of a file?

✓ Correct answer!

Check Answer

Continue

## 2.7 cat

- Visual: The terminal screen shows the command.

## Quiz

What's a good way to see the contents of a file?

✓ Correct answer!

Check Answer

Continue

## 2.8 less

- Visual: The terminal screen shows the command.

## Quiz

How do you quit out of a less command?

✓ Correct answer!

Check Answer

Continue



## 2.9 history

- Visual: The terminal screen shows the command.

### Quiz

What is the command to clear the terminal?

✓ Correct answer!

Check Answer

Continue

## 2.10 cp (Copy)

- Visual: The terminal screen shows the command.





## Quiz

What flag do you need to specify to copy over a directory?

✓ Correct answer!

Check Answer

Continue

## 2.11 mv (Move)

- Visual: The terminal screen shows the command.

## Quiz

How do you rename a file called cat to dog?

✓ Correct answer!

Check Answer

Continue



## 2.12 mkdir (Make Directory)

- Visual: The terminal screen shows the command.

### Quiz

What command is use to make a directory?

✓ Correct answer!

Check Answer

Continue

## 2.13 rm (Remove)

- Visual: The terminal screen shows the command.

## Quiz

How do you remove a file called myfile?

✓ Correct answer!

Check Answer

Continue

## 2.14 find

- Visual: The terminal screen shows the command.

## Quiz

What option should I specify for find if I want to search by name?

✓ Correct answer!

Check Answer

Continue



## 2.15 help

- Visual: The terminal screen shows the command.

### Quiz

How do you get quick command line help for built-in bash commands?

✓ Correct answer!

Check Answer

Continue

## 2.16 man

- Visual: The terminal screen shows the command.



## Quiz

How do you see the manuals for a command?

✓ Correct answer!

Check Answer

Continue

## 2.17 whatis

- Visual: The terminal screen shows the command.

## Quiz

What command can you use to see a small description of a command?

✓ Correct answer!

Check Answer

Continue



## 2.18 alias

- Visual: The terminal screen shows the command.

### Quiz

What command is used to make an alias?

✓ Correct answer!

## 2.19 exit

- Visual: The terminal screen shows the command.



## Quiz

How can you exit from the shell?

✓ Correct answer!

Check Answer

Return

## 3. User Management

### 3.1 Users and Groups

- Visual: The terminal screen shows the command.



## Quiz

What command do you use to run as root?

✓ Correct answer!

sudo

Check Answer

Continue

### 3.2 root

- Visual: The terminal screen shows the command.





## Quiz

What file shows the users who have access to sudo?

✓ Correct answer!

Check Answer

Continue

### 3.3 /etc/passwd

- Visual: The terminal screen shows the command.



## Quiz

If a user doesn't have login access how is that denoted in `/etc/passwd`?

✓ Correct answer!

Check Answer

Continue

### 3.4 `/etc/shadow`

- Visual: The terminal screen shows the command.



## Quiz

No questions move along!

✓ Correct answer!

Check Answer

Continue

### 3.5 /etc/group

- Visual: The terminal screen shows the command.



## Quiz

What is the GID of root?

✓ Correct answer!

Check Answer

Continue

### 3.6 User Management Tools

- Visual: The terminal screen shows the command.



## Quiz

What command is used to change a password?

✓ Correct answer!

Check Answer

Return

## 4. References

### Official Ubuntu Documentation: User Management

- [Link: https://ubuntu.com/server/docs/administration-users](https://ubuntu.com/server/docs/administration-users)
- <https://manpages.ubuntu.com/manpages/focal/man1>
- <https://linuxjourney.com>

### Linux man Pages

- Commands were referenced through the built-in manual (man) pages in Linux.

### The Linux Command Line by William E. Shotts, Jr.

- A comprehensive guide for understanding Linux commands and system administration tasks.

