



# Module 1 Cheat Sheet - Introduction to Linux

## Linux terminal tips

Use **tab completion** to autocomplete pathnames and command names.

Scroll through your **command history** with the **Up Arrow** and **Down Arrow** keys to find and re-run a command you already used.

## Getting information

Display the reference manual for the **ls** command:

```
1 man ls
```

## Browsing and navigating directories

### Special paths

Symbol	Represents path to
<b>~</b>	home directory
<b>/</b>	root directory
<b>.</b>	present working directory
<b>..</b>	parent of present working directory

List files and directories in the current directory:

```
1 ls
```

List files and directories in a directory:

```
1 ls path_to_directory
```

Return path to present working directory:

```
1 pwd
```

Change the current directory to a subdirectory:

```
1 cd child_directory_name
```

**Tip:** Because **cd** looks in the current directory for **child\_directory\_name**, you don't need to type the entire path.

Change the current directory:

Up one level: **cd ../**

To home: **cd ~** or **cd**

To some other directory: **cd path\_to\_directory**

Change the current directory to another one at the same level:

Suppose you have two sibling directories within the same directory, **dir\_1** and **dir\_2**, and your present working directory is **dir\_1**. To switch to **dir\_2**, enter:

```
cd ../dir_2
```

**Tip:** Using **..**, you don't need to know the path to the parent directory to switch to a sibling.

Change the current directory back to the directory you were in previously:

```
cd -
```

## Upgrading and installing packages

Fetch and display up-to-date information about all upgradable packages:

```
1 sudo apt update
```

Upgrade to the latest supported version of nano:

```
1 sudo apt upgrade nano
```

Install Vim:


```
1 sudo apt install vim
```

## Creating and editing files

Create a new text file and open it with nano:

1

nano file\_name.txt



*Tip: If the file already exists, nano simply opens it for editing.*

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Change Log

Date (YYYY-MM-DD)	Version	Changed By	Change Description
2023-05-04	1.5	Benny Li	Added text blocks
2023-04-26	1.4	Nick Yi	QA pass
2023-03-30	1.3	Nick Yi	ID review
2023-02-14	1.2	Jeff Grossman	Update to reflect module content
2022-12-19	1.1	Jeff Grossman	Created initial version of the reading