



## Module 1 Cheat Sheet - Introduction to Linux

### Linux terminal tips

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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

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Display the reference manual for the `ls` command:

1. `1`
1. `man ls`

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### Browsing and navigating directories

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#### Special paths

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

List files and directories in the current directory:

1. `1`
1. `ls`

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List files and directories in a directory:

1. `1`
1. `ls path_to_directory`

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**Return path to present working directory:**

1. 1
1. pwd

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**Change the current directory to a subdirectory:**

1. 1
1. cd child\_directory\_name

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**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

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

1. 1
1. sudo apt update

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**Upgrade to the latest supported version of nano:**

1. 1
1. sudo apt upgrade nano

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## Install Vim:

- 1
1. `sudo apt install vim`

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## Creating and editing files

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Create a new text file and open it with nano:

- 1
1. `nano file_name.txt`

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

## Authors

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## Other Contributors

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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

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