



ALX LESSON

Emacs

Shell - Editor

TABLE OF CONTENTS

01

Overview
topics

02

Learning
Objectives

03

Quiz
questions

04

hands on lab
practice



01

OVERVIEW topics

OVERVIEW Topics

Emacs

Topics

- What is Emacs
- Who is Richard Stallman
- How to open and save files
- What is a buffer and how to switch from one to the other
- How to use the mark and the point to set the region
- How to cut and paste lines and regions
- How to search forward and backward
- How to cancel half-entered commands
- How to undo
- How to quit Emacs



02

Learning Objectives

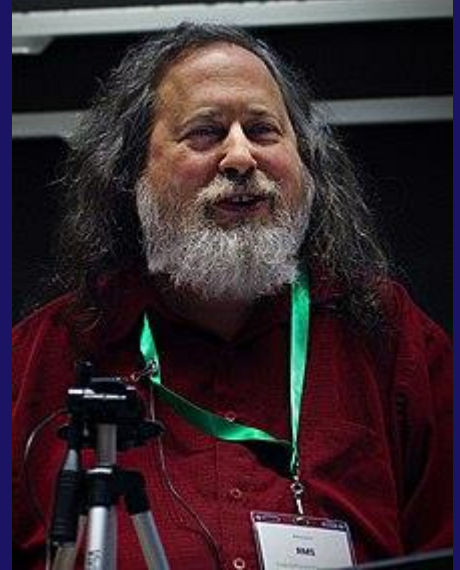
What is Emacs?



Emacs is a powerful, extensible text editor that is often used for programming and other tasks involving text editing. It was originally developed by Richard Stallman and his team at MIT, and is now maintained by the GNU Project.

Who is Richard Stallman?

Richard Stallman is a computer programmer and activist who is best known for founding the Free Software Foundation and for his work on the GNU Project. He is a prominent advocate for free software and open-source software, and has been a vocal critic of proprietary software and digital rights management.



Richard Stallman

How to open and save files

Type : ``emacs``

To open a file in Emacs, you can use the command ``C-x C-f`` (that is, hold the Ctrl key and press x, release both keys, then hold the Ctrl key again and press f). This will prompt you to enter the name of the file you want to open.

To save a file in Emacs, you can use the command ``C-x C-s``. This will save any changes you have made to the file since it was last saved.

In Emacs, a buffer is a space in memory where text is stored for editing.

You can have multiple buffers open at once, and switch between them using the command ``C-x b`` (hold the **Ctrl** key and press **x**, release both keys, then type the **name of the buffer** you want to switch to).

Advanced

``M-x ibuffer <RETURN/Enter>``

to list all buffer and choose one instead of search



How to use the mark and the point to set the region



In Emacs, you can use the mark and point to select a region of text for cutting, copying, or other operations. To set the mark at the current position of the cursor, you can use the command ``C-space``.

To move the cursor to another position and extend the region, you can use the arrow keys. Once you have selected the region, you can use various commands to manipulate it.

How to cut and paste lines and regions

To cut a line or region in Emacs, you can use the command ``C-w``.

To paste the contents of the cut buffer, you can use the command ``C-y``.



How to search forward and backward

To search forward in Emacs, you can use the command ``C-s`` (hold the **Ctrl** key and press **s**). This will prompt you to enter the search term.

To search backward, you can use the command ``C-r``. This will prompt you to enter the search term.



How to invoke commands by name

To invoke a command by name in Emacs, you can use the command ``M-x`` (hold the **Alt** key and press **x**). This will prompt you to enter the name of the command.



How to undo

To undo a change in Emacs, you can use the command ``C- -`` (hold the **Ctrl** key and press **-**). This will undo the last change you made.

Or use the command ``C-x u``



How to cancel half-entered commands

To cancel a half-entered command in Emacs, you can use the command ``C-g``. This will cancel the current command and return you to the previous state.



How to quit Emacs

To quit Emacs, you can use the command ``C-x C-c``. This will prompt you to save any unsaved changes before exiting.





03

Quiz questions



04

Hands on lab Practice



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