week report 3

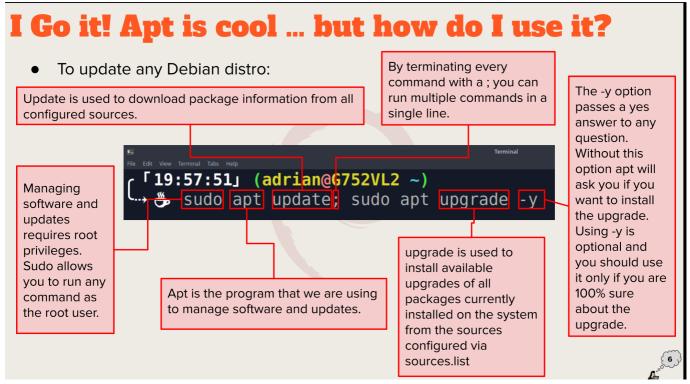
Summary of presentations

Basic Terminologygit push package archives that contain binaries of software coffi gurtion files name and information library. reusable code that can be used by more than one function or program. Dependency software needed as foundation for other software. Repository. Settings Search Settings at a glance Launcher App Library Dock Panel Compositor

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# bulleted list of different desktop environments
       KDE is one of the most popular desktop environments out there. You
may also refer it as the "Plasma" desktop.MATE Desktop Environment is based
        GNOME 2. MATE was initially developed for the users who were
disappointed with the latest iteration of GNOME shell - GNOME 3. Ubuntu
MATE is one
        of the official flavors of Ubuntu that utilizes the MATE desktop.
Some other popular Linux distributions like Linux Mint, Manjaro, etc, also
offer
        MATE editions of their distributions.
      # Definitions for the following terms: GUI, DE
       GUI:A graphical user interface is a from of user interface that
allows use electronic systems via icons, windows and
       various other visual elements.
       DE; In computing, the desktop is an embodiment of the desktop
parabole program running on top of a computer operating system that shares
       described as a graphical shell.
       Bulleted list of the common elements of a desktop environment
       .GNOME
       .KDE
   The bash Shell
       What is a shell?
       A shell is a layer of computer program which exposes an operating
system service and other.
       # List different shells
        -Tcsh shell
        -Csh shell
        -Ksh shell
        -Zsh shell
        -Fish shell
       # List basic commands and their usage
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.date: displays the current time and date.
             calender of the current month.
        .df: the current amount of free space on the disk drives.
        .free: the amount of free memory.
        .uname: information about the system.
        .clear: clear the screen.
       # List some bash shortcuts ?
       .CTRL+A :go to the beginning of the line.
       .CTRL+E : Go to the end of the line.
       .CTRL+B : Go to the left(back) one character.
       .CTRL+F : Go to the right (forward) one word.
  Managing Software
       Command for updating ubuntu
       sudo apt update: sudo apt update -y
       Command for installing software
       sudo apt install package name
       Command for removing software
       sudo apt remove firefox foreshow caffeine-y
       Command for searching for software
       apt search"web browser"
       Definition of the following terms:
           Package . archives that contain binaris of software
, configuration files, and information.
          Library . reusable code that can be used by more than one
function or program.
           Repository. a large collection of software available for
download.
       # Include the screenshot of how to update ubuntu with its
explanation (page 6)
       ![]
```

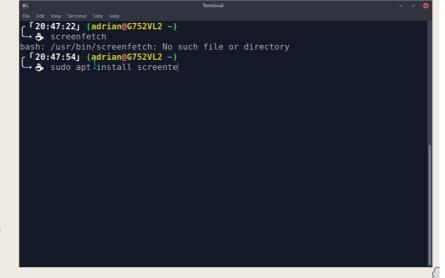
In your repository create a folder for cheat sheets and place here the installing software



how to install software with Apt?



- The **install** option installs the specified package.
- The **remove** option removes the specified package.
- You can install/remove multiple programs by adding the package name with a space between each package.
- You can also remove packages by adding an - sign at the end of the package name.
- You can add and remove packages at the same time by using a + and - at the end of each package.



Here are some useful examples

Install several programs in a single command

sudo apt install firefox flameshot caffeine -y

Remove several programs in a single command

sudo apt remove firefox flameshot caffeine -y

Install and remove programs in a single command

sudo apt install firefox+ flameshot- caffeine- vlc+

Remove programs and all remaining traces

sudo apt purge firefox+ flameshot- caffeine- vlc+



How to search for software with Apt

Search for all programs that matches the text in quotes

apt search "web browser"

Search for information about a given package including dependencies.

apt-cache search firefox

Search a package name only.

apt search -n firefox

- Apt works using the list of repositories in the /etc/apt/sources.list
- You can add more repositories (or remove them) using the command sudo apt edit-sources
- **Edit-sources** opens the **sources.list** file using your default text editor. If more than one CLI text editor is available, edit-sources allows you to choose.



More useful options of Apt

To obtain information about a package

apt-cache showpkg firefox

Install packages without upgrading

sudo apt install firefox --no-upgrade

Only upgrade packages

sudo apt install firefox --only-upgrade

Clean your system

sudo apt clean; sudo apt autoclean; sudo apt autoremove

Attention!

Another option that you may find online is apt-get. This option is deprecated and as such you should discontinue its use. Here is a table of the options that replace apt-get.

apt-get	Command	apt	Command
apt-get	install	apt	install
apt-get	remove	apt	remove
apt-get	update	apt	update
apt-get	upgrade	apt	upgrade
apt-get	dist-upgrade	apt	full-upgrade
apt-get	removepurge	apt	purge
apt-get	autoremove	apt	autoremove
apt-get	search	apt	search
apt-get	show	apt	show
dpkg	get-selections	apt	listinstalled
apt-get	purge	apt	purge

cheat sheet, and markdown cheat sheet.

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公	Starred	Us of colory dust your artists for color	
⋒	Home	Linux Workshop	
ם	Documents	Ubuntu S	
Ť	Downloads		
ม	Music		
₽	Pictures		
<u>"</u>	Videos		
Î	Trash		
+	Other Locations		