

# Summary of presentations

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## Exploring Desktop Environments

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- Gnome
- Budgie

## Define the following terms:

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**GUI** - GUI means Graphical User Interface **DE** - DE means Debugging Extension

## Common elements of a desktop environment

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- Window Manager
- Menu
- Icons
- Widgets

## The bash Shell

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What is a shell? **A shell is the layer of programming that understands and executes the commands we enter**

## Different kinds of shells:

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- Bourne shell
- The Korn shell
- The GNU Bourne-Again shell

## Bash shortcuts

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- ctrl + C
- ctrl + V
- ctrl + ALT + delete
- ctrl + T

## Basic commands and their usage:

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- 'sudo' - allows you to perform tasks such as installing or removing
- 'kill' - tells any misbehaving app to delete itself

- 'uname' - prints any detailed information like the machine name and operating system

## Managing Software

Command for updating Ubuntu '**apt update**' Command for installing software '**apt install**' Command for removing software '**apt remove**' Command for searching for software '**apt search**'

## Define the following terms:

**Package** - archives that contain binaries of software, configuration files, and information about dependencies **Library** - reusable code that can be used by ,ore than one function or program **Repository** - a large collection of software available for download

### I Go it! Apt is cool ... but how do I use it?

- To update any Debian distro:

Update is used to download package information from all configured sources.

By terminating every command with a ; you can run multiple commands in a single line.

The -y option passes a yes answer to any question. Without this option apt will ask you if you want to install the upgrade. Using -y is optional and you should use it only if you are 100% sure about the upgrade.

Managing software and updates requires root privileges. Sudo allows you to run any command as the root user.

Apt is the program that we are using to manage software and updates.

upgrade is used to install available upgrades of all packages currently installed on the system from the sources configured via sources.list

```
19:57:51 (adrian@6752VL2 ~)
sudo apt update; sudo apt upgrade -y
```

