

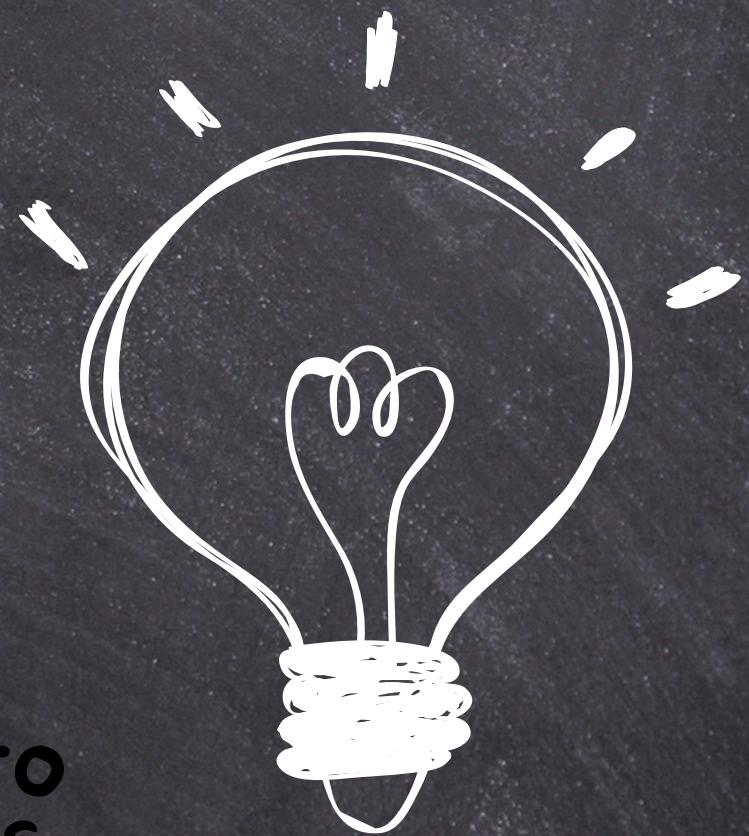
# WORK-CASE 5



БЕРЕЖНЫЙ, ЛЮБОДА,  
ЧУХМАНЕНКО

# THE MECHANISM OF OPERATION OF A FLASH DRIVE AND PRINTER IN OC LINUX

WHEN A FLASH DRIVE IS CONNECTED TO  
A USB PORT, LINUX AUTOMATICALLY  
RECOGNIZES THE NEW DEVICE AND  
MOUNTS THE FLASH DRIVE FOR ACCESS  
THROUGH THE FILE SYSTEM.



IN LINUX, CUPS (COMMON UNIX PRINTING SYSTEM) IS USED TO  
WORK WITH THE PRINTER, WHICH AUTOMATICALLY DETECTS  
AND CONFIGURES CONNECTED PRINTERS. AFTER  
CONNECTING THE PRINTER, THE SYSTEM DOWNLOADS THE  
DRIVERS AND CUPS ADDS THE PRINTER TO THE LIST OF  
AVAILABLE DEVICES.

# MOUNTING OPERATION

THE ESSENCE OF THE MOUNTING OPERATION IS THE PROCESS OF ATTACHING THE FILE SYSTEM OF THE DEVICE TO THE DIRECTORY TREE OF THE LINUX OPERATING SYSTEM.

THIS IS NECESSARY TO MAKE THE CONTENTS OF THE DEVICE AVAILABLE TO THE USER.

# COMPETITOR ANALYSIS

Linux-peripherals often require manual configuration and the use of the command line to mount or install drivers.

Windows-is focused on automatic recognition and installation of drivers using ~~Plug and Play~~ technology, which provides convenience for end users.

# DISK NAMES

```
(kali㉿kali)-[~]
$ sudo fdisk -l
Disk /dev/sda: 80.09 GiB, 86000000000 bytes, 167968750 sectors
Disk model: VBOX HARDDISK
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0xff8eb69a

Device      Boot Start       End   Sectors  Size Id Type
/dev/sda1  *      2048 167968749 167966702 80.1G 83 Linux

(kali㉿kali)-[~]
$ sudo blkid
/dev/sda1: LABEL="root" UUID="98dc0284-e804-4aa4-8707-4578d41861b8" BLOCK_SIZE="4096" TYPE="ext4" PARTUUID="ff8eb69a-01"
```

КОМАНДА **SUDO FDISK -L** ВИКОРИСТОВУЄТЬСЯ ДЛЯ ТОГО ЩОБ ДІЗНАТИСЯ НАЗВУ ДИСКУ, КОМАНДОЮ **SUDO BLKID** МОЖНА ОКРІМ НАЗВИ ДИСКУ ДІЗНАТИСЯ ТИПО ФАЙЛОВОХ СИСТЕМИ ТА ЙОГО **UID**