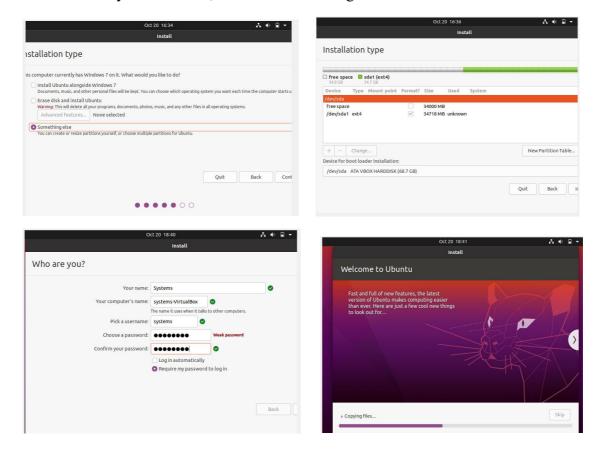
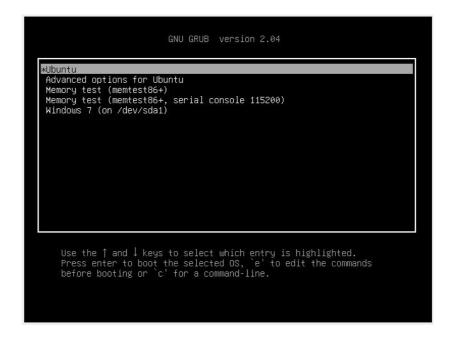
## **DUAL BOOT EXERCISES**

2. Create a virtual machine with two operating systems, Windows 7 (or Windows 10) and Ubuntu 20.04 (in this order)

I already installed W7, so here I'm installing Ubuntu:



Here we can see both operative systems installed in the GRUB menu:



#### and configure the bootloader to:

Here, the commands to access the GRUB modification system:

after getting sudo permissions: nano /etc/default/grub

```
# /boot/grub/grub.cfg.
# For full documentation of the options in this file, see:
info -f grub -n 'Simple configuration'

GRUB_DEFAULT=4
GRUB_TIMEOUT_STYLE=hidden
GRUB_TIMEOUT=10
GRUB_GRUB_ISTIBUTORe`\lsb_release -i -s 2> /dev/null || echo Debian`
GRUB_CMDLINE_LINUX_DEFAULT="quiet splash"
GRUB_CMDLINE_LINUX=""

# Uncomment to enable BadRAM filtering, modify to suit your needs
# This works with Linux (no patch required) and with any kernel that obtains
# the memory map information from GRUB (GNU Mach, kernel of FreeBSD ...)
#GRUB_BADRAM="0x01234567,0xfefefefe,0x89abcdef,0xefefefef"

# Uncomment to disable graphical terminal (grub-pc only)
#GRUB_TERMINAL=console

# The resolution used on graphical terminal
# note that you can use only modes which your graphic card supports via VBE
# you can see them in real GRUB with the command 'vbeinfo'

[ Read 33 lines ]

G Get Help O Write Out NB Read File O Write Out NB Replace O Paste Text O Justify
A Read File O Paste Text O Justify
A Read File O Paste Text O Paste Text O D Paste Text O To Spell
```

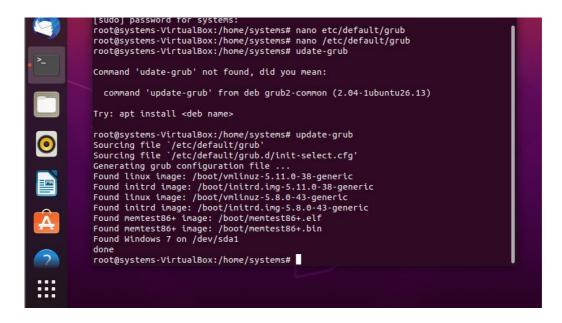
This in /etc/grub.d/30 os-prober

```
# TRANSLATORS: %s is replaced by OS name.
    gettext_printf "%s is not yet supported by grub-mkconfig.\n" " ${LONGNAM>};
    esac
    done

# adjust_timeout

[ Read 376 lines ]
```

This to save the changes everytime:



a. Set Windows as default entry and boot after 15 seconds if the user does not select another option in the menu.

```
GRUB_DEFAULT=4

GRUB_TIMEOUT_STYLE=menu

GRUB_TIMEOUT=15

GRUB_DISTRIBUTOR=`lsb_release -i -s 2> /dev/null || echo Debian`

GRUB_CMDLINE_LINUX_DEFAULT="quiet splash"

GRUB_CMDLINE_LINUX=""

# Uncomment to enable BadRAM filtering, modify to suit your needs

# This works with Linux (no patch required) and with any kernel that obtains

# the memory map information from GRUB (GNU Mach, kernel of FreeBSD ...)
```

# b. Boot Ubuntu without displaying the menu after showing a 10 seconds countdown.

```
# FOR Full documentation of the options in this fitte, see:

# info -f grub -n 'Simple configuration'

GRUB_DEFAULT=0

GRUB_TIMEOUT_STYLE=countdown

GRUB_TIMEOUT=10

GRUB_DISTRIBUTOR=`lsb_release -i -s 2> /dev/null || echo Debian`

GRUB_CMDLINE_LINUX_DEFAULT="quiet splash"

GRUB_CMDLINE_LINUX=""

# Uncomment to enable BadRAM filtering, modify to suit your needs

# This works with linux (no patch sequired) and with any bornel that obtains
```

### c. Boot Ubuntu without displaying the menu.

```
GNU nano 4.8

/etc/default/grub

If you change this file, run 'update-grub' afterwards to update

/boot/grub/grub.cfg.

For full documentation of the options in this file, see:

info -f grub -n 'Simple configuration'

GRUB_DEFAULT=0

GRUB_TIMEOUT_STYLE=hidden

GRUB_TIMEOUT=0

GRUB_DISTRIBUTOR=`lsb_release -i -s 2> /dev/null || echo Debian`

GRUB_CMDLINE_LINUX_DEFAULT="quiet splash"

GRUB_CMDLINE_LINUX=""

# Uncomment to enable BadRAM filtering, modify to suit your needs

# This works with Linux (no patch required) and with any kernel that obtains

# the memory map information from GRUB (GNU Mach, kernel of FreeBSD ...)
```

### d. Boot Windows without displaying the menu.

```
# For full documentation of the options in this file, see:

# info -f grub -n 'Simple configuration'

GRUB_DEFAULT=0

GRUB_TIMEOUT_STYLE=hidden

GRUB_TIMEOUT=0

GRUB_DISTRIBUTOR=`lsb_release -i -s 2> /dev/null || echo Debian`

GRUB_CMDLINE_LINUX_DEFAULT="quiet splash"

GRUB_CMDLINE_LINUX=""

# Uncomment to enable BadRAM filtering, modify to suit your needs

# This works with Linux (no patch required) and with any kernel that obtains

# the memory map information from GRUB (GNU Mach, kernel of FreeBSD ...)

#GRUB_BADRAM="0x01234567,0xfefefefe,0x89abcdef,0xefefefef"

# Uncomment to disable assables as
```