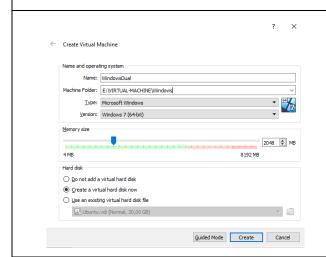
UNIT 02: DUAL BOOT EXERCISES

- 4. Create a virtual machine with two operating systems, Windows 7 (or Windows 10) and Ubuntu 20.04 (in this order) and configure the bootloader to:
 - a) Set Windows as default entry and boot after 15 seconds if the user does not select another option in the menu.
 - b) Boot Ubuntu without displaying the menu after showing 10 seconds countdown.
 - c) Boot Ubuntu without displaying the menu.
 - d) Boot Windows without displaying the menu.

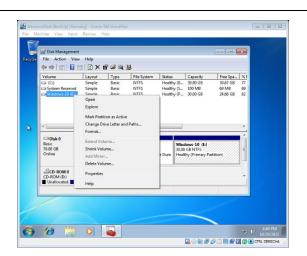
NOTE: If you lose the bootloader in exercise 2, use the tool **"Boot-Repair"**, which will let you solve the issue. If necessary, use the following the instructions in the URL:

https://help.ubuntu.com/community/Boot-Repair

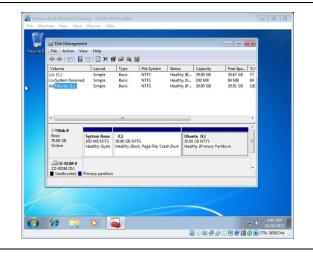
STEPS

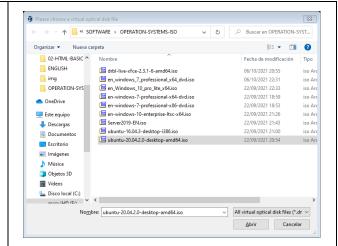


The **VM** created from the previous exercises renamed **WindowsLinux**.



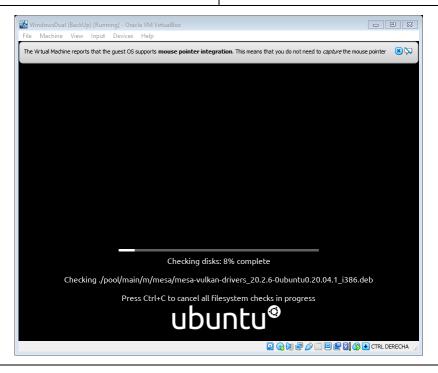
Format the Windows 10 partition > Disk Management > Format.



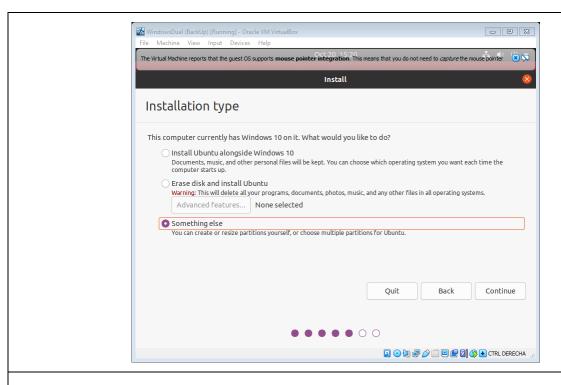


Disk has been formatted and renamed Ubuntu.

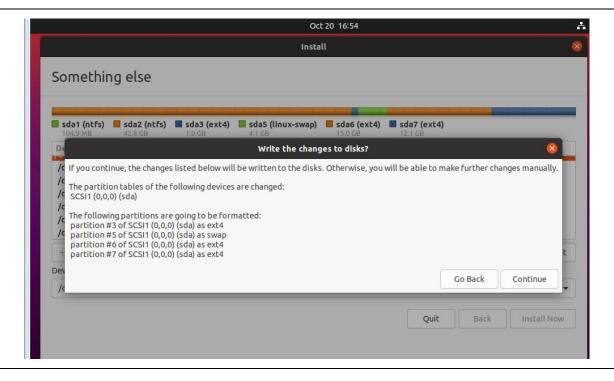
Back to VirtualBox to install Ubuntu.



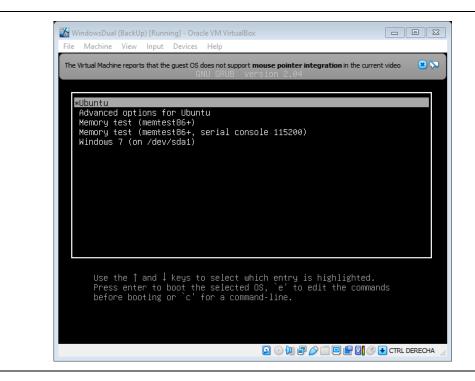
Ubuntu installation.



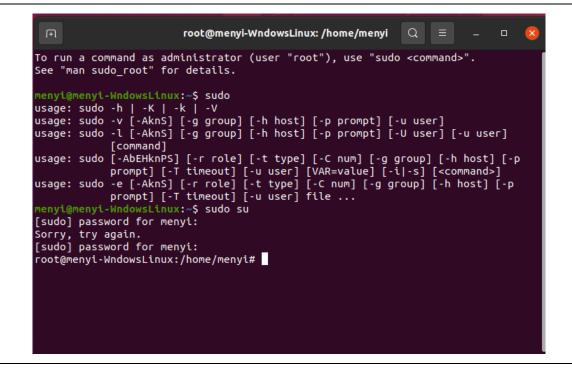
Installation type > Something else to create the partitions.



Partitions are created > Continue.



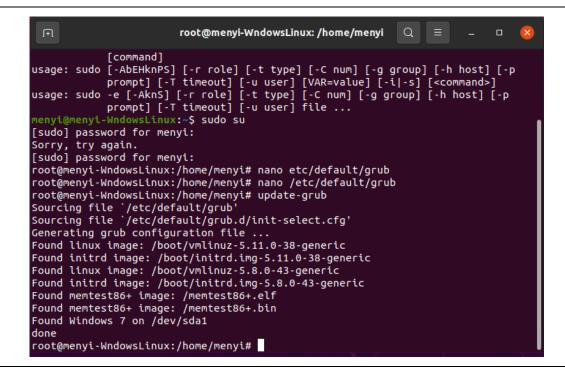
Both operating systems are installed and ready to **boot > Ubuntu**.



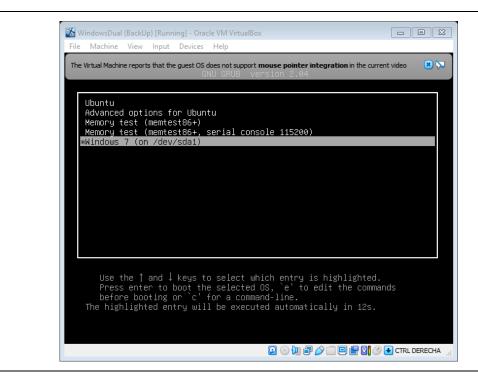
Ubuntu terminal.

```
root@menyi-WndowsLinux: /home/menyi
  GNU nano 4.8
                                      /etc/default/grub
                                                                                Modified
GRUB DEFAULT=4
GRUB_TIMEOUT_STYLE=hidden
GRUB_TIMEOUT=15
GRUB_DISTRIBUTOR=`lsb_release -i -s 2> /dev/null || echo Debian`
GRUB_CMDLINE_LINUX_DEFAULT="quiet splash"
GRUB_CMDLINE_LINUX="
   Get Help
               ^O Write Out ^W Where Is
                                             ^K Cut Text
                                                            ^J Justify
                                                                            ^C Cur Pos
                                                Paste Text^T
                                                               To Spell
                  Read File
                                 Replace
   Exit
                                                                              Go To Line
```

Change boot settings: GRUB_DEFAULT = 4 and GRUB_TIMEOUT = 15

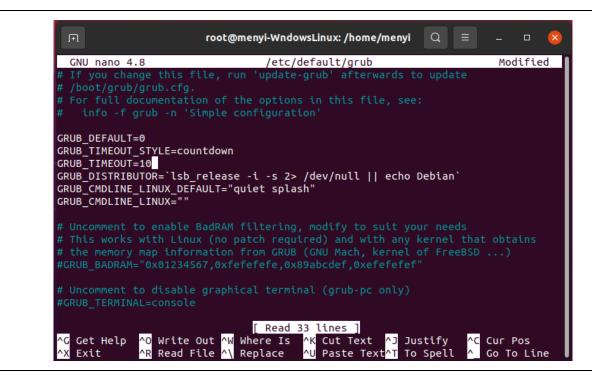


Update grub file > update-grub > enter



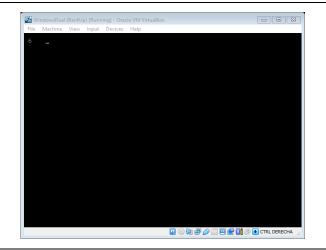
Restart Ubuntu to see the changes.

A) Windows is set default and boot after 15 seconds if the user does not select another option in the menu.



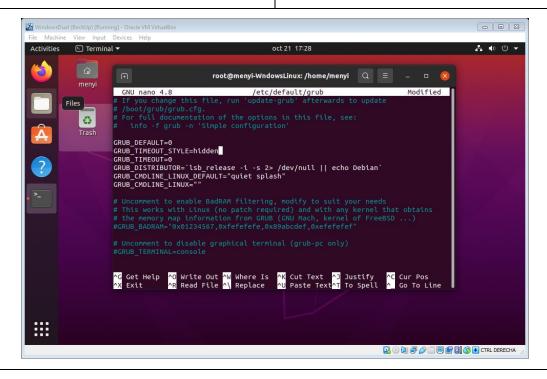
B) Ubuntu boot first after 10 seconds of countdown in order to not display the menu we need to edit another file > nano /etc/grub.d/30_os-prober



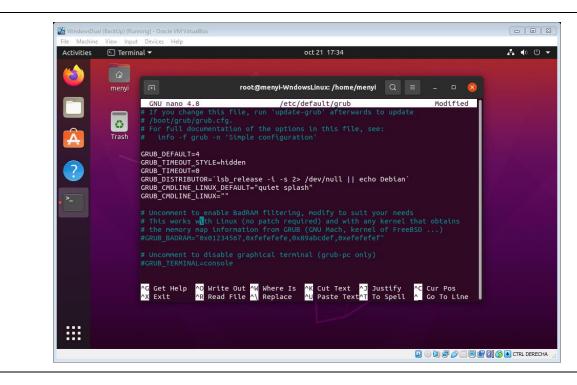


Convert last line to comment (#adjust_timeout).

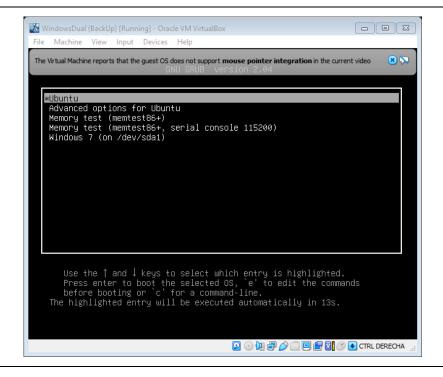
update-grub and restart the computer.



C) Boot Ubuntu directly without the menu > update-grub.



D) Boot Windows without displaying the menu > update-grub.



Optional > Set Ubuntu as default after 15 seconds with menu.