

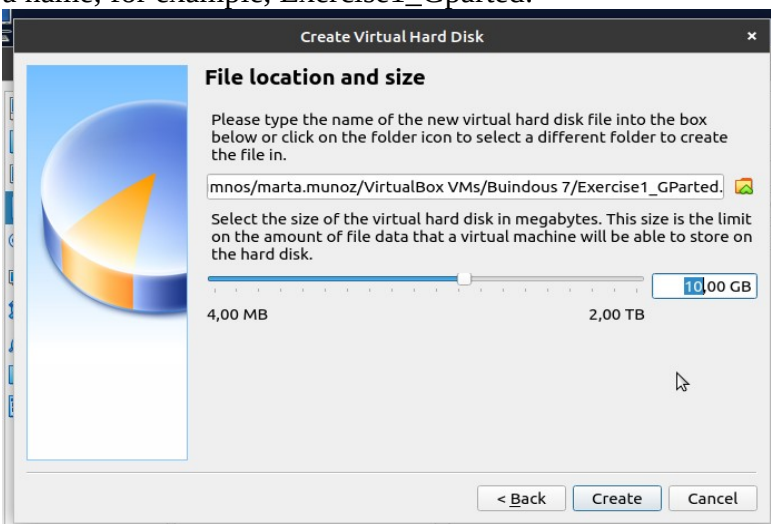
**For the following exercises, you have to use a Windows 7 or 10 virtual machine. To solve the exercises, create a document with screenshots including the settings for each part.**

## Exercise 1

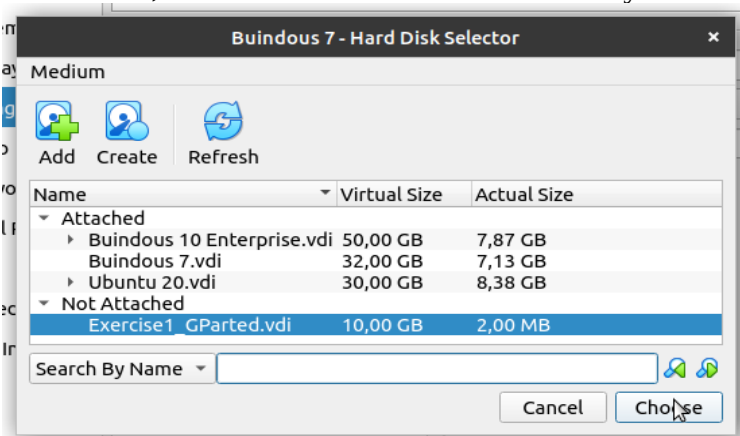
First, let us create a new hard disk for the virtual machine. Then, we are going to create the following partitions:

- A NTFS primary partition of 2GB called PNTFS.

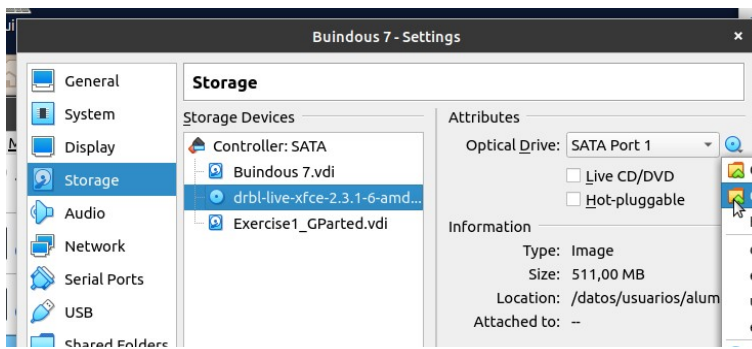
I started the Virtual Machine with Windows 7 OS, because is lighter and a bit quicker than the other ones. So, in order to create the first partition, Windows 7 > Settings, I choose Storage > Adds hard disk. Later, in the menu, I choose Create: VDI, Dynamically Allocated, and 10 GB of space. I create a name, for example, Exercise1\_Gparted:



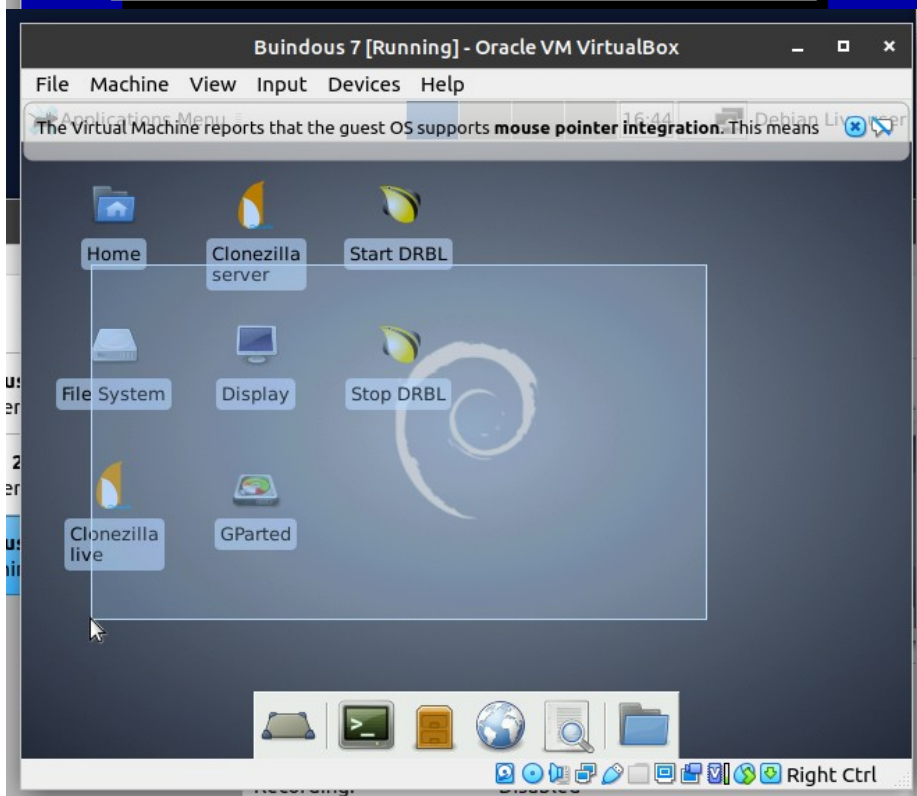
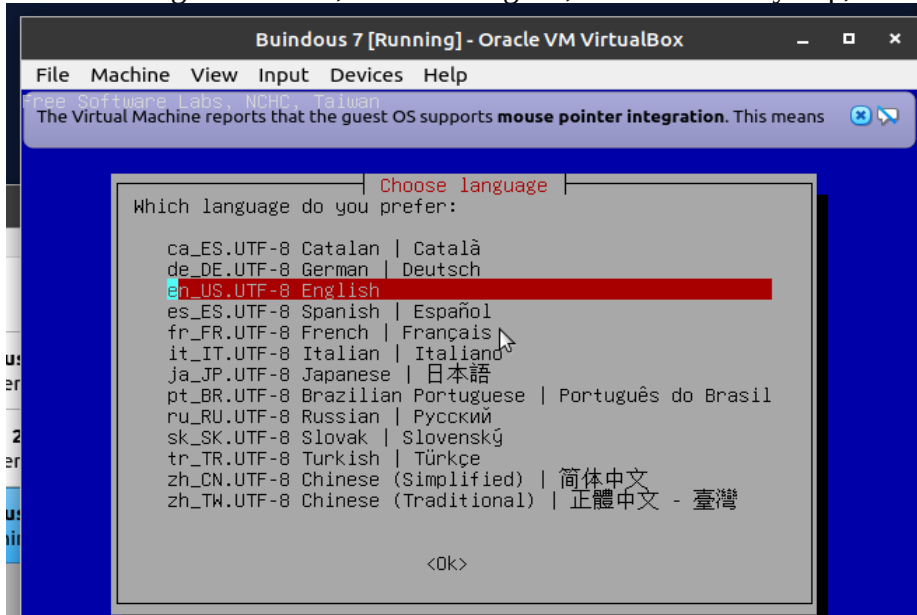
As it's seen, this hard disk it's not attached to any OS:



Once is created, in the Optical Drive I selected Choose > Choose a disk file > DRBL-live.

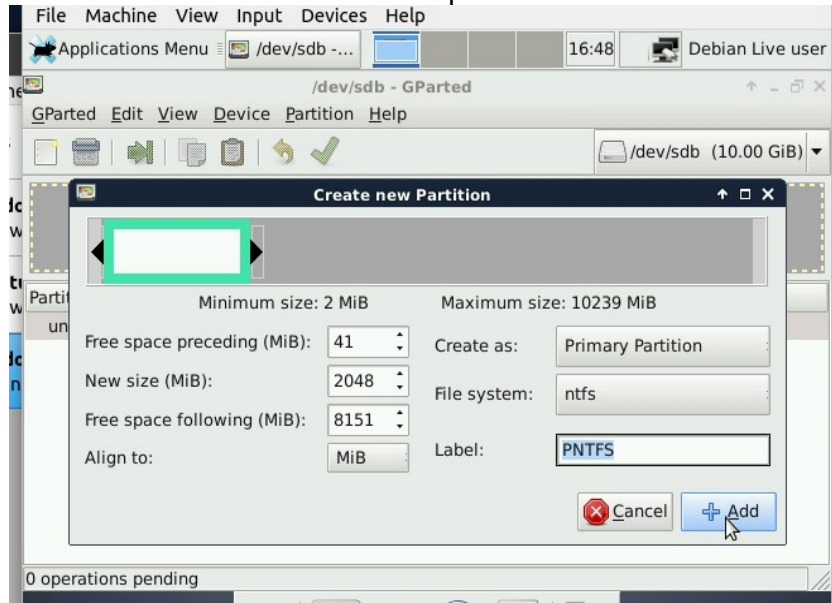


When starting Devian OS, I choose English, Don't touch keymap, and the option 0:



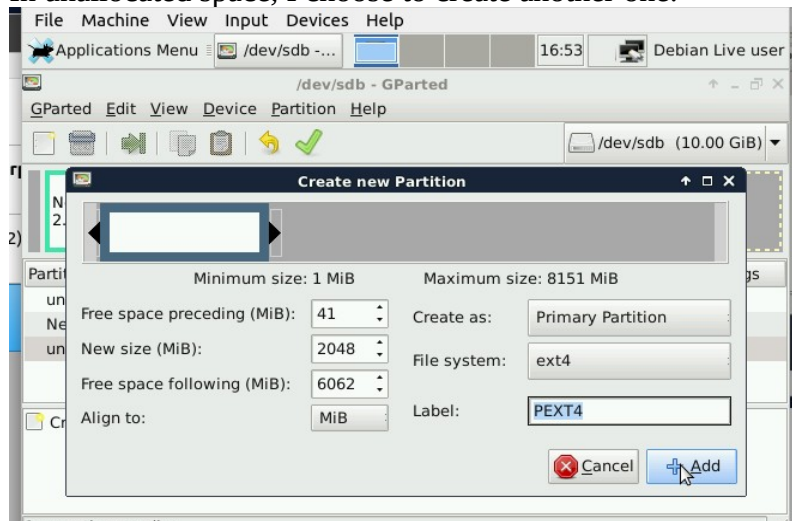
I initialized the GParted program.

Device > Create Partition Table, I choose the MSDOS type. When the table is created, now I can create a New Partition with the requirements needed:

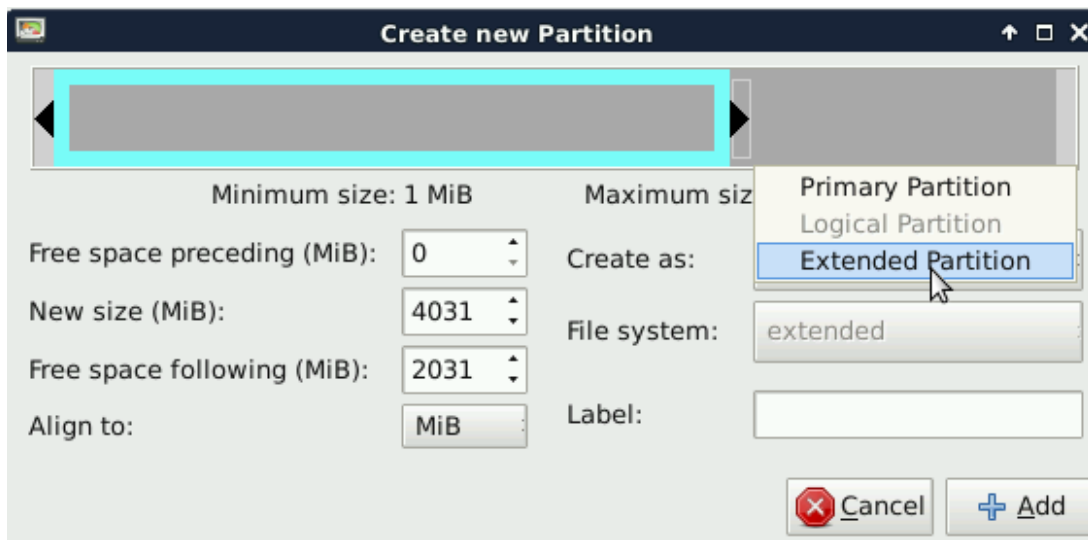


- An EXT4 primary partition of 2GB called PEXT4.

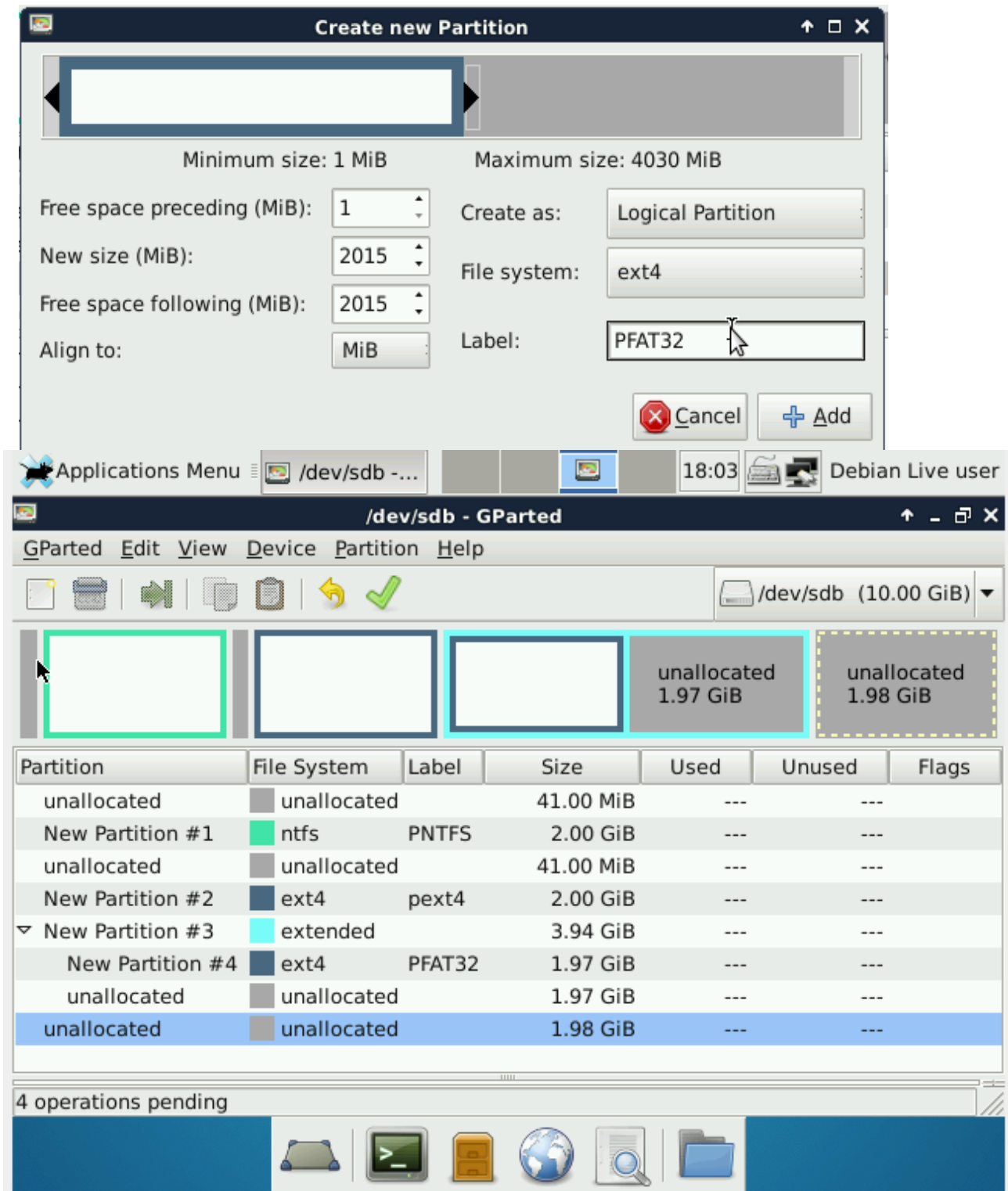
In unallocated space, I choose to create another one:



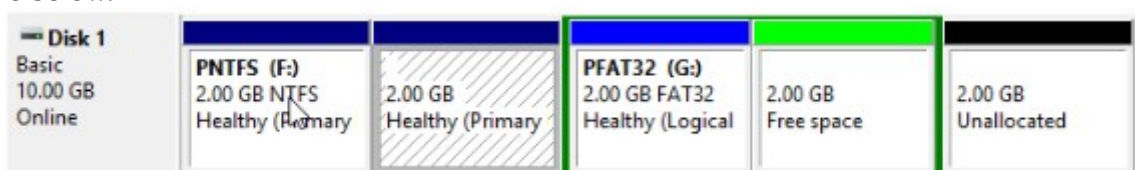
- An extended partition of 4GB.

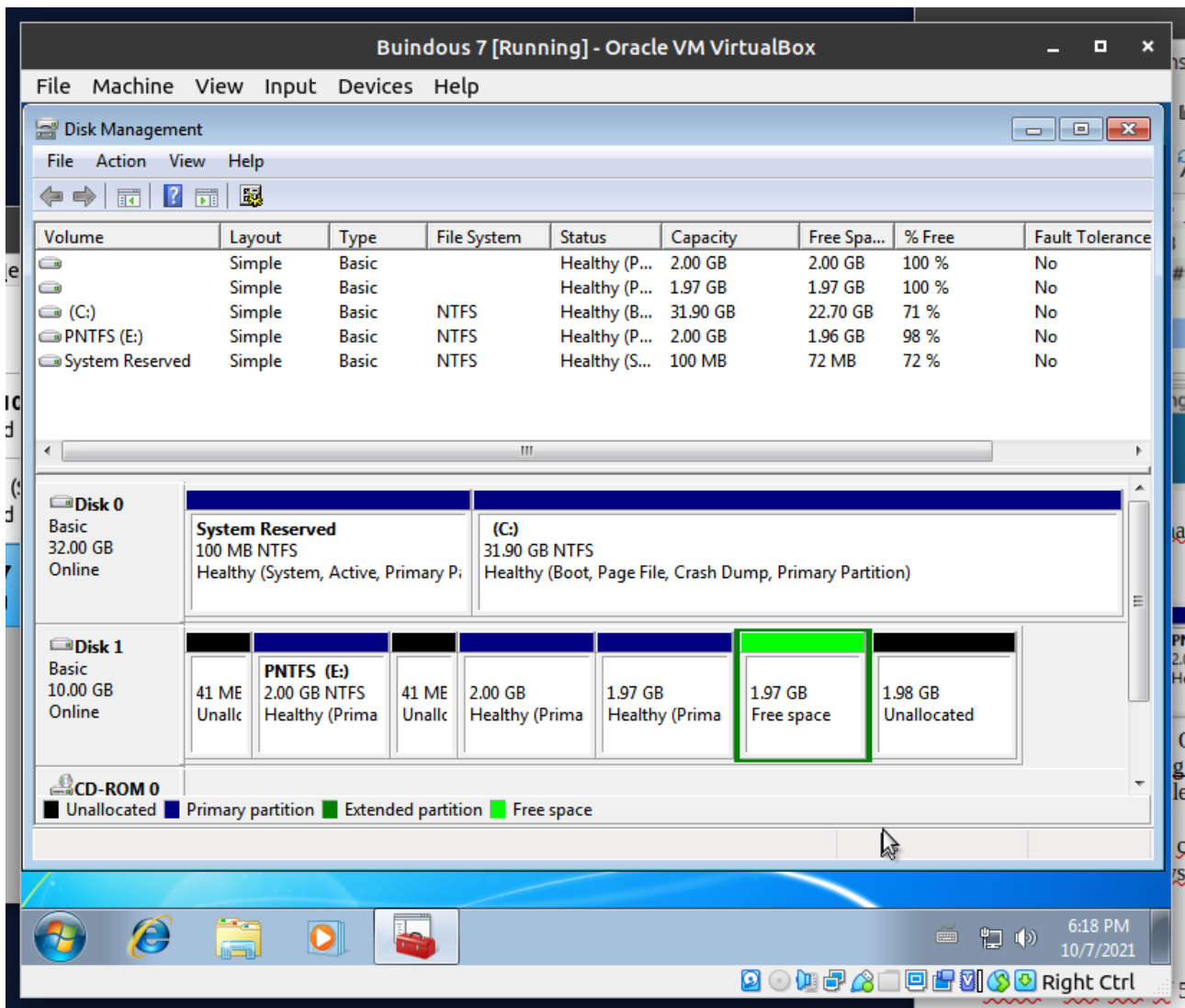


- A logical partition of 2GB called PFAT32.



Now open Disk Management in Windows. You should have a configuration just like in the picture below.



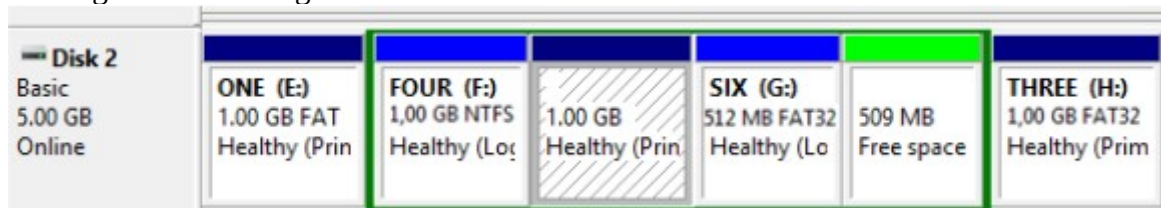


### Answer the following questions

1. Why is the file system not showed in the second partition?
2. If you had to create a new partition to store 2 GB data, where would you put the partition in? Which file system should you use? Justify your answer.

## Exercise 2

Create a new disk of 5GB in the same Windows virtual machine. Now, configure the partitions with GParted to get the following result:



### Answer the following questions:

1. How does GParted name the new hard disk
2. List all the partitions you have created, indicating type and file system.

