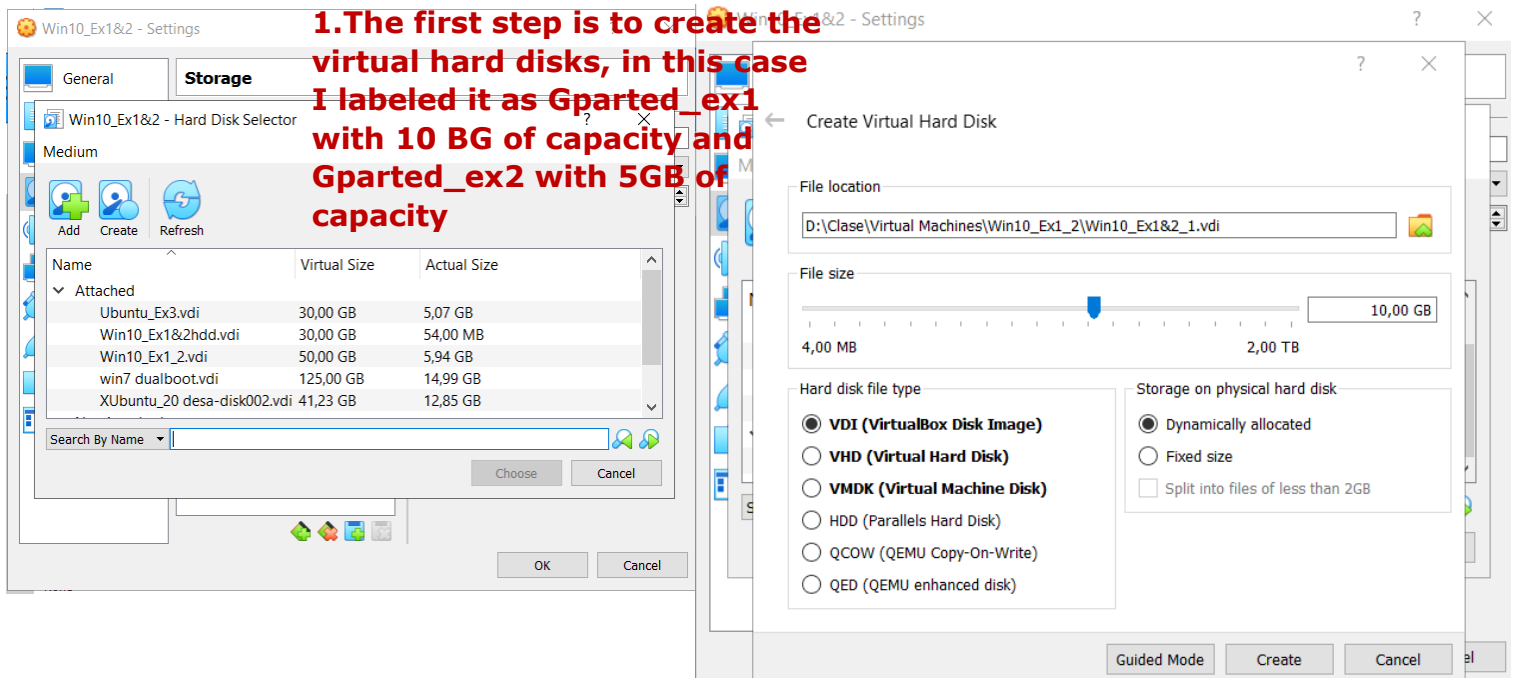
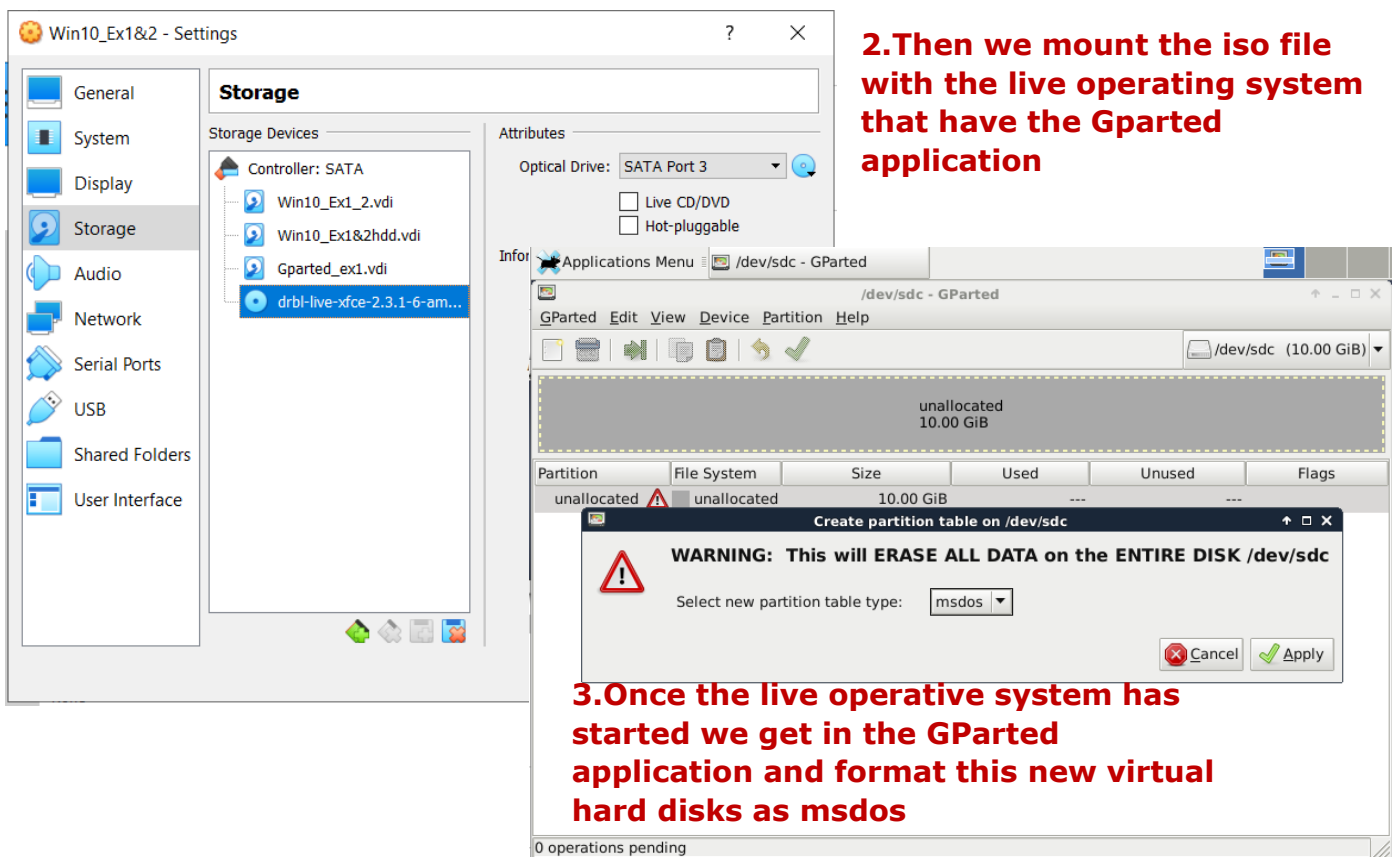


GParted exercises 1 & 2:

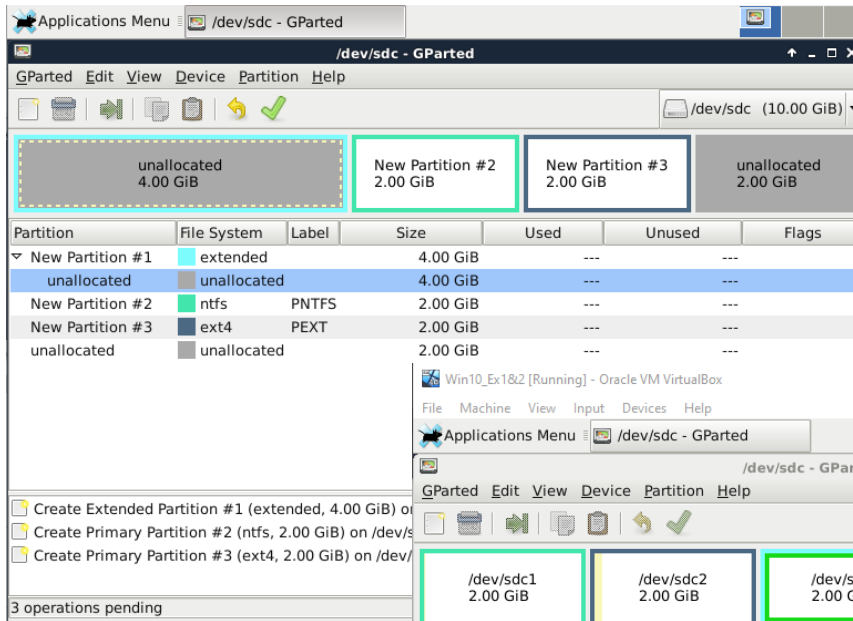
1. The first step is to create the virtual hard disks, in this case I labeled it as Gparted_ex1 with 10 BG of capacity and Gparted_ex2 with 5GB of capacity



2. Then we mount the iso file with the live operating system that have the Gparted application

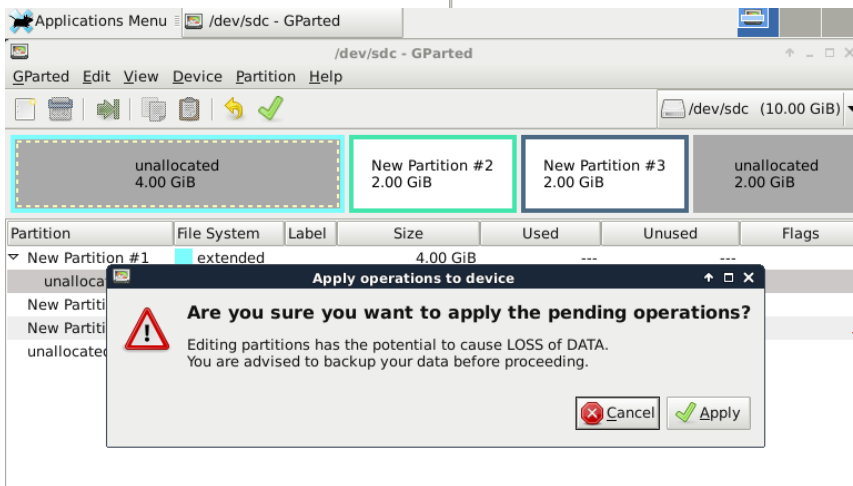
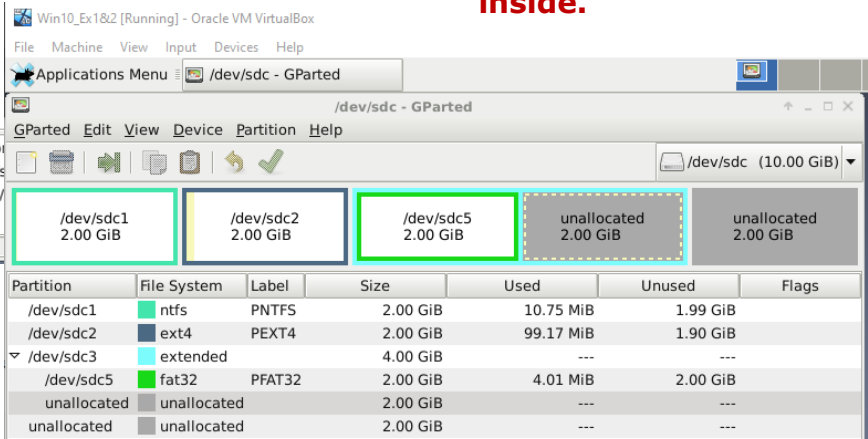


3. Once the live operative system has started we get in the GParted application and format this new virtual hard disks as msdos

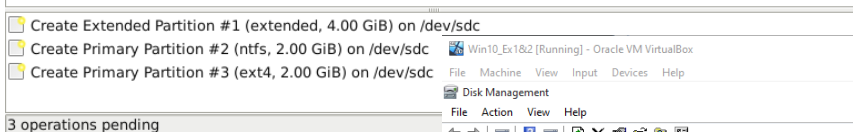


4. When the format is complete we can start to make our partitions as the exercise 1 told.

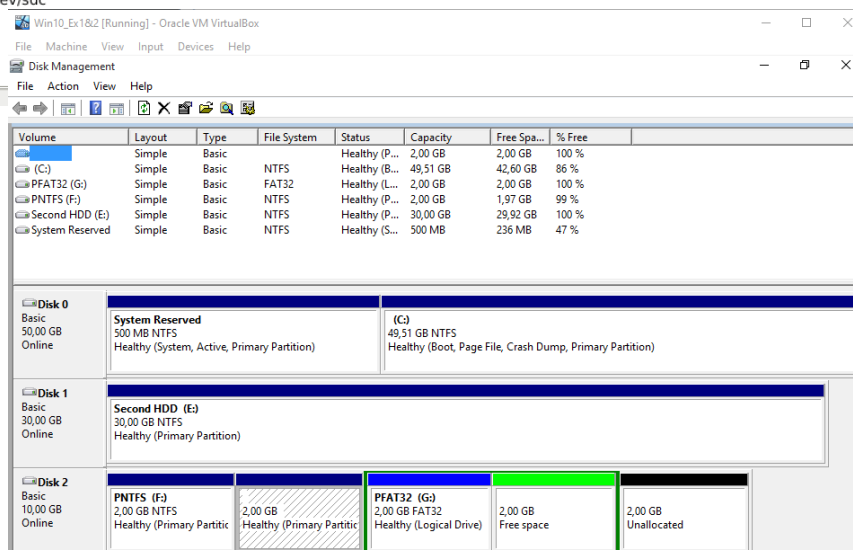
First the 2GB NTFS, then the 2GB EXT4 and the 4GB extended partition with the 2GB FAT32 logical partition inside.



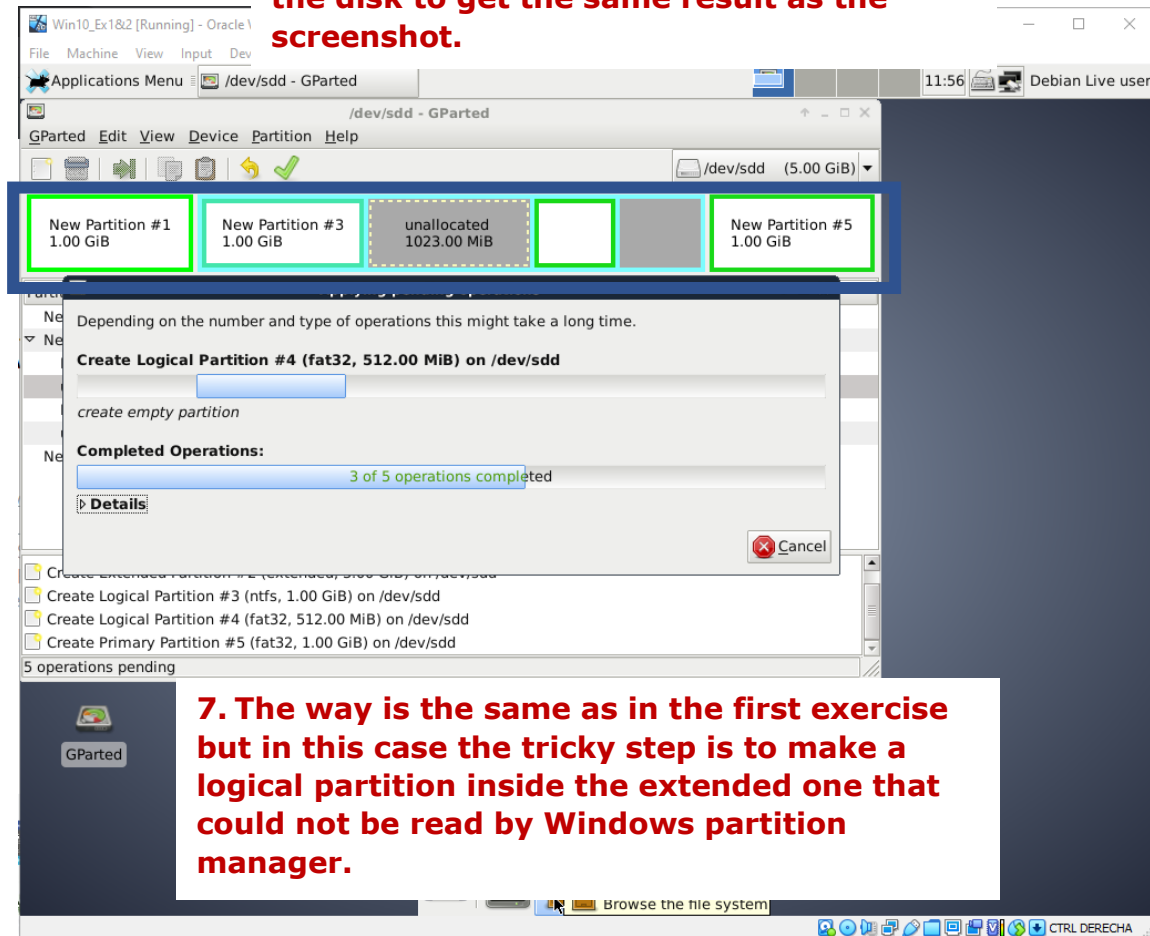
We must write the changes to the disks.



5. Lastly when the partitions has been write on to the disk, we open the partition manager in Windows to see that we dida ll the partitions correctly.



6. For the second exercise we have to figure it out the correct way to partition the disk to get the same result as the screenshot.



7. The way is the same as in the first exercise but in this case the tricky step is to make a logical partition inside the extended one that could not be read by Windows partition manager.

Volume	Layout	Type	File System	Status	Capacity
(C:)	Simple	Basic	NTFS	Healthy (P...)	49,51 GB
ONE (H:)	Simple	Basic	FAT	Healthy (P...)	1,00 GB
PFAT32 (G:)	Simple	Basic	FAT32	Healthy (L...)	2,00 GB
PNTFS (F:)	Simple	Basic	NTFS	Healthy (P...)	2,00 GB
Second HDD (E:)	Simple	Basic	NTFS	Healthy (P...)	30,00 GB
SIX (J:)	Simple	Basic	FAT32	Healthy (L...)	511 MB

Disk 0 Basic 50,00 GB Online	System Reserved 500 MB NTFS Healthy (System, Active, Primary Partition)	(C:) 49,51 GB NTFS Healthy (Boot, Page File, Crash Dump, Primary Partition)
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Disk 1 Basic 30,00 GB Online	Second HDD (E:) 30,00 GB NTFS Healthy (Primary Partition)
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Disk 2 Basic 10,00 GB Online	PNTFS (F:) 2,00 GB NTFS Healthy (Primary Partition)	2,00 GB Healthy (Primary Partition)	PFAT32 (G:) 2,00 GB FAT32 Healthy (Logical Disk)	2,00 GB Free space	2,00 GB Unallocated
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Disk 3 Basic 5,00 GB Online	ONE (H:) 1,00 GB FAT Healthy (Primary Partition)	FOUR (I:) 1,00 GB NTFS Healthy (Logical Disk)	1021 MB Healthy (Primary Partition)	SIX (J:) 512 MB FAT3 Healthy (Logical Disk)	509 MB Free space	THREE (K:) 1,00 GB FAT32 Healthy (Primary Partition)
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8. The final result with both virtual hard disks compared.

We can see how Windows is no able to read our logical partition inside the extended one in the disk number 3.

Answer the following questions

1. *Why is the file system not showed in the second partition?*

Because is not a format type compatible with Windows system.

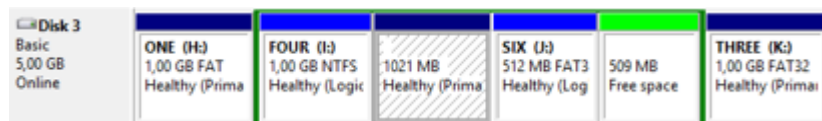
2. *If you had to create a new partition to store 2 GB data, where would you put the partition in? Which file system should you use? Justify your answer.*

I will be create the partition on the last sector, the unallocated one.
And I Will use any file system compatible with Windows if that is the operating system in witch the hard drive Will be allocated such as NTFS or FAT32.

3. *How does GParted name the new hard disk?*

Gparted named the disk as "sdd" because is the fourth hard disk in the virtual machine.

4. *List all the partitions you have created, indicating type and file system.*



Partition	Type	File System	Size	Status
ONE (H:)	Primary	FAT	1,00 GB	Healthy
FOUR (I:)	Logical	NTFS	1,00 GB	Healthy
	Primary		1021 MB	Free space
SIX (J:)	Logical	FAT3	512 MB	Healthy
			509 MB	Free space
THREE (K:)	Primary	FAT32	1,00 GB	Healthy

Partition H is a FAT16 file system.

Then there is a extended partition with a NTFS logical one, then a non suported file partitio, followed by a FAT32 file system partition and a free space.

And the K partition is a FAT32 primary partition.