# For the following exercises, you have to use a Windows 10 virtual machine

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.
- An EXT4 primary partition of 2GB called PEXT4.
- An extended partition of 4GB.
- A logical partition of 2GB called PFAT32.

Now open Disk Management in Windows 10. You should have a configuration just like in the picture below.
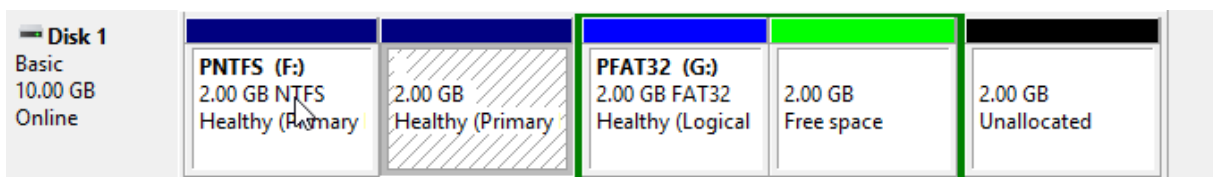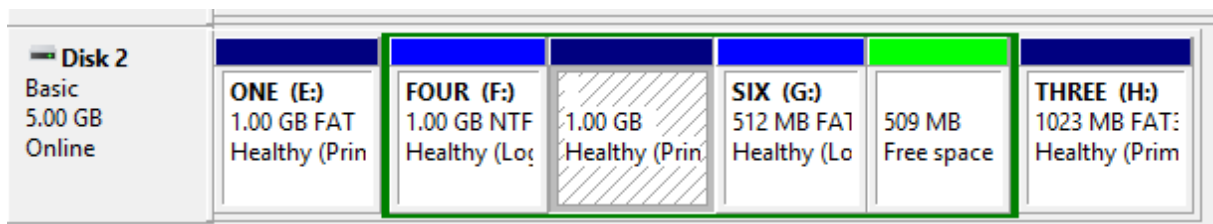

Answer the following questions

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 10 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.