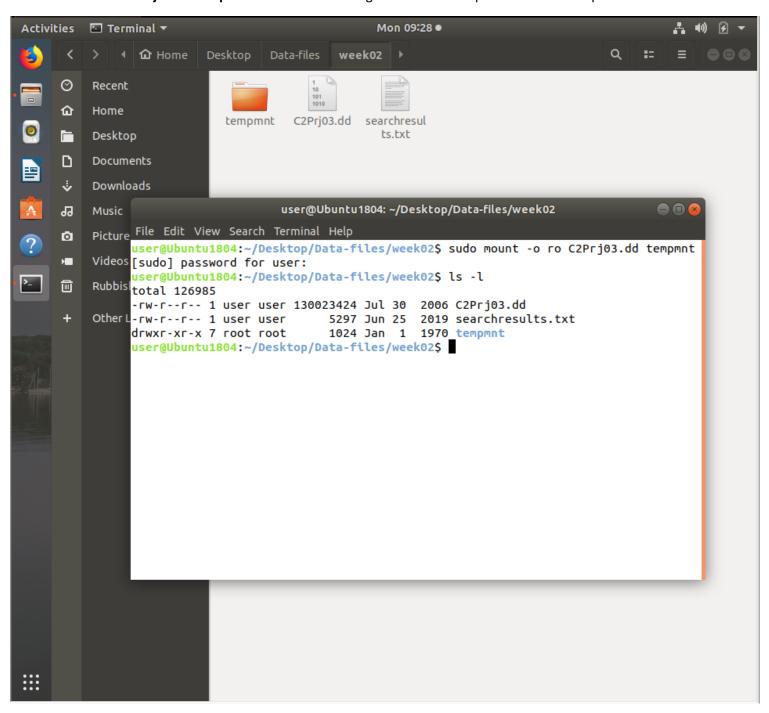
Introducing Linux mount

First, I launched the terminal and navigated to the ~/Desktop/Data files/week02 directory, then typed in the command "sudo mount -o ro C2Prj03.dd tempmnt" to mount the image and the mount process will be completed.



Then I used the file browser tool to navigate through the image. This image contains a few folders with contents and a RECYCLER folder with the information of deleted files.

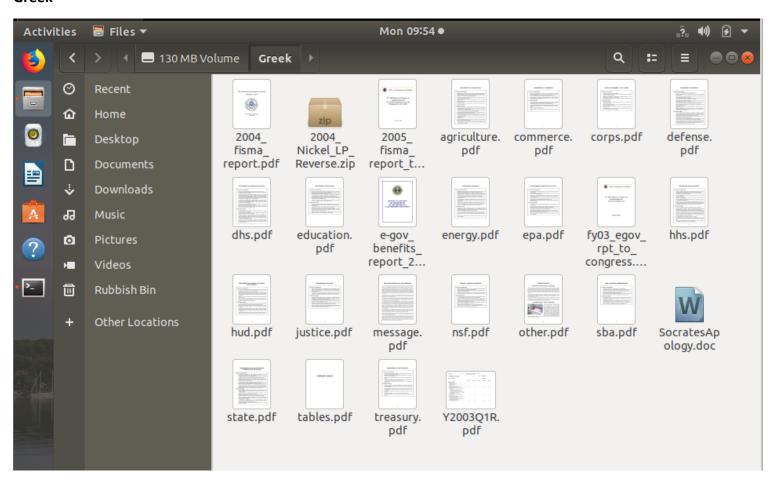


Then I went through all the directories

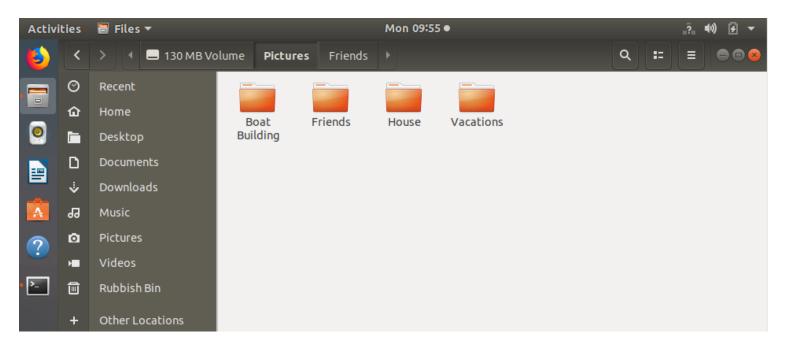
English



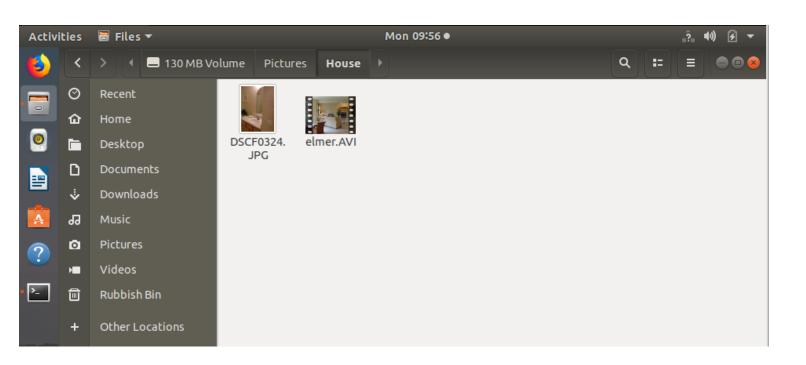
Greek



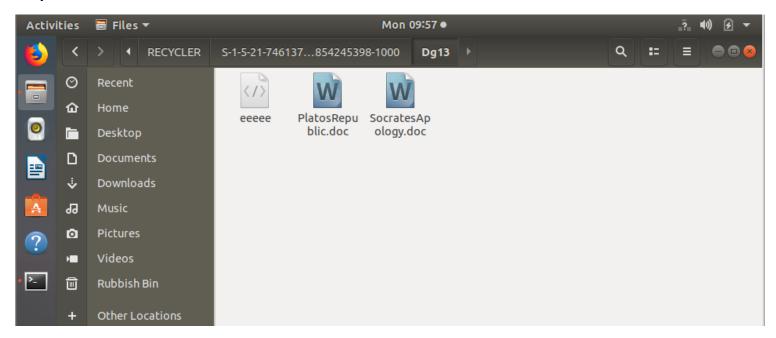
Pictures



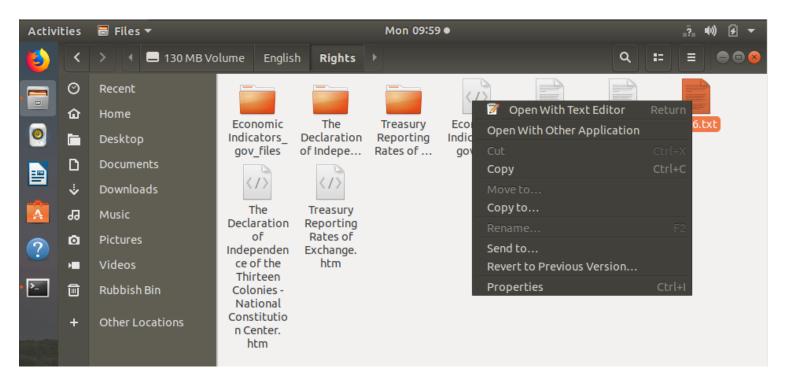


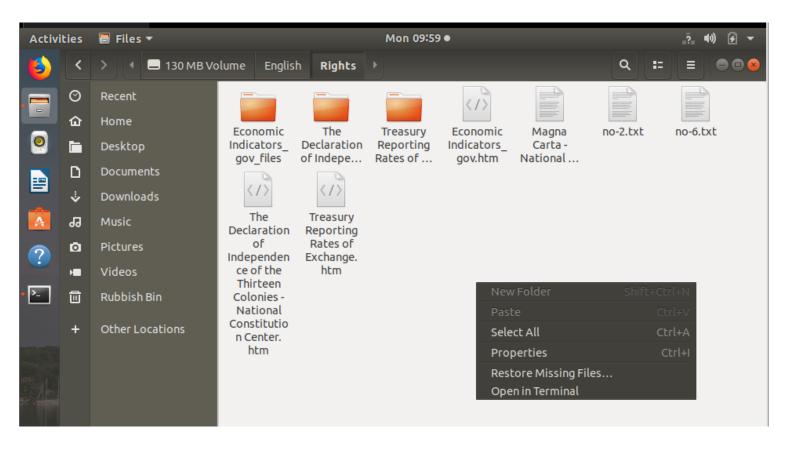


Recycler



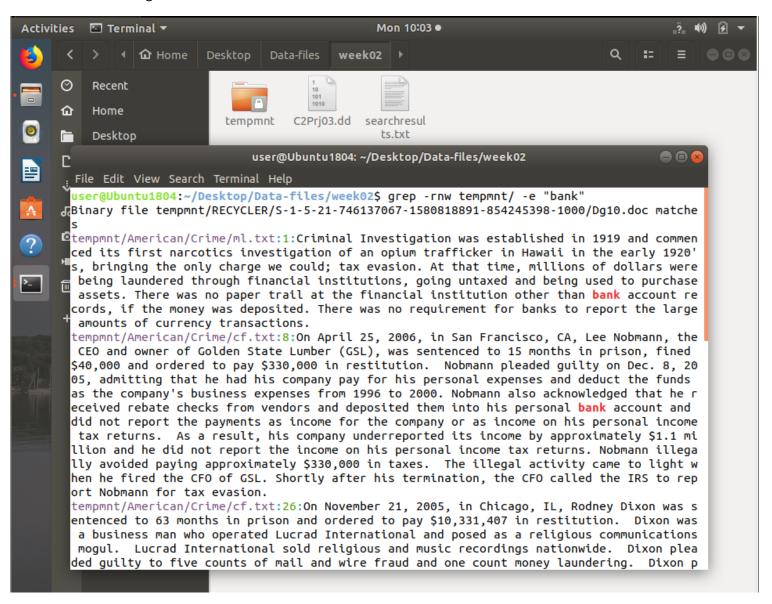
Then I tried to alter the files in the image, by trying to delete and create new folders. It didn't work because in the command I gave as read-only while mounting the image.





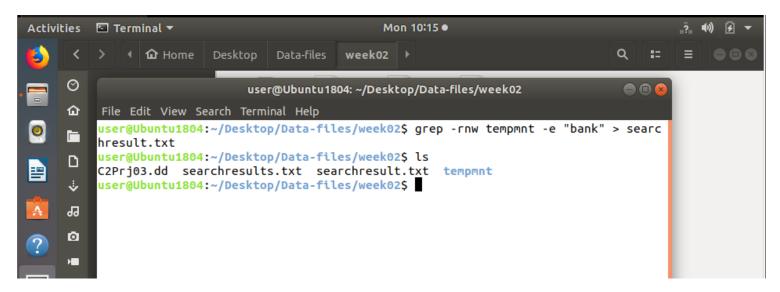
Search Contents with the tool grep

Here I started off with the command given in the assignment "grep -rnw tempmnt -e "bank" to search for the keyword "bank" on the disk image mounted.

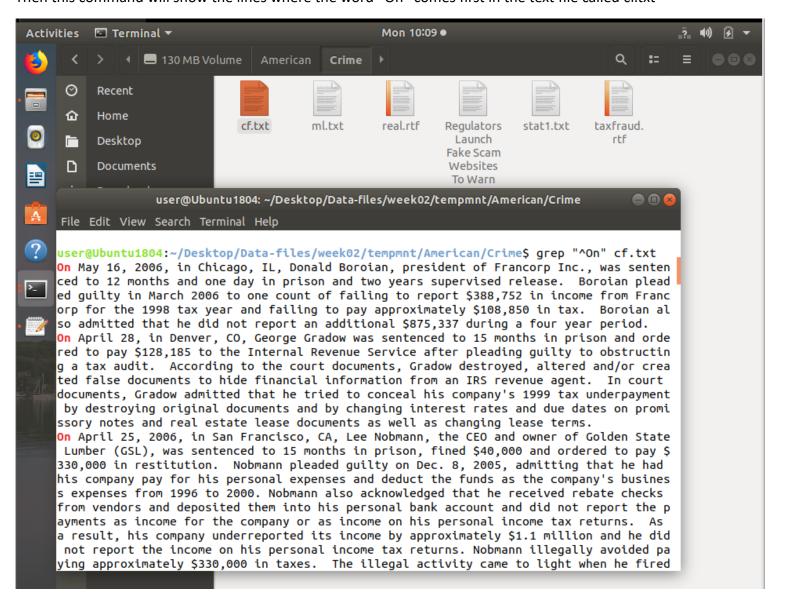


Then I tried some other commands from grep as well:

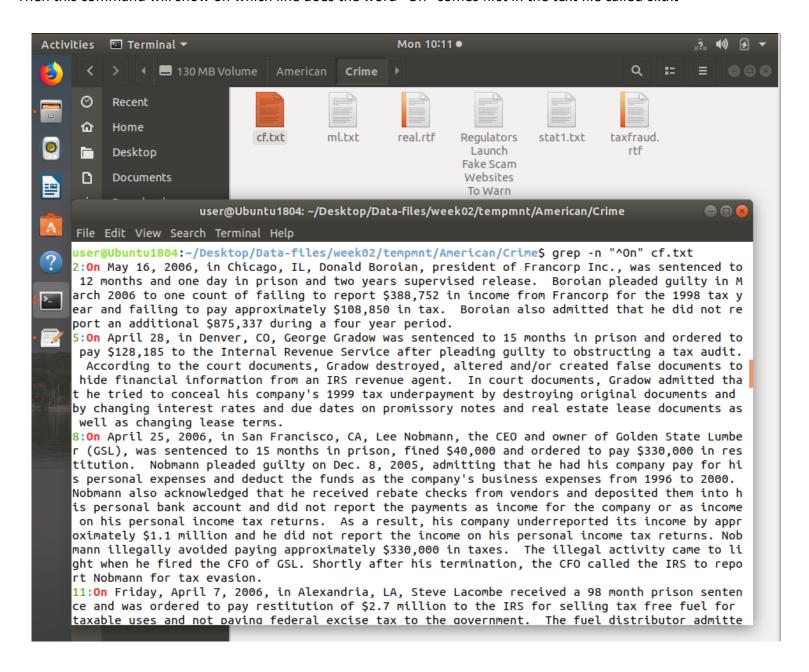
This will extract the output to another file and same it as a text file, in this case I have given the name searchresult.txt



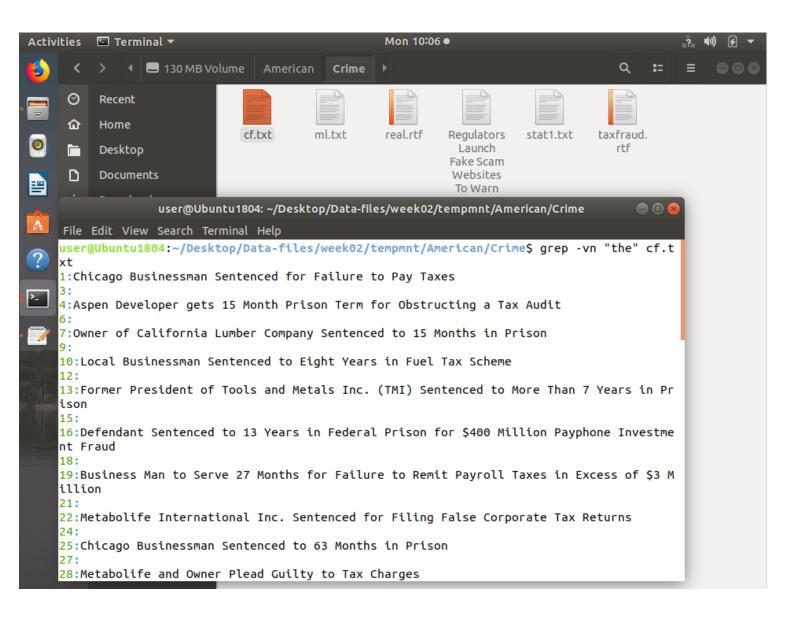
Then this command will show the lines where the word "On" comes first in the text file called cf.txt



Then this command will show on which line does the word "On" comes first in the text file called cf.txt



Then at last this command will remove the lines with the word "the" in the text file called cf.txt and still show the number of all the lines



Introducing the tool umount

Now I will be unmounting the image since I'm done with the investigation. For that I will be using a tool called umount, using the command called "sudo umount tempmnt". "

First, I check for the available images using the command **df-kh**, the image was still mounted, then I typed the command mentioned above to unmount it. Finally, to check whether the unmount process is successful, I again used the **df-kh** to check for the available images. Since the image is not found, it means it has been unmounted successfully.

