Name: ALFELOR VON LAURENCE M. Year & Section: BSIT 3D

Laboratory Activity 1

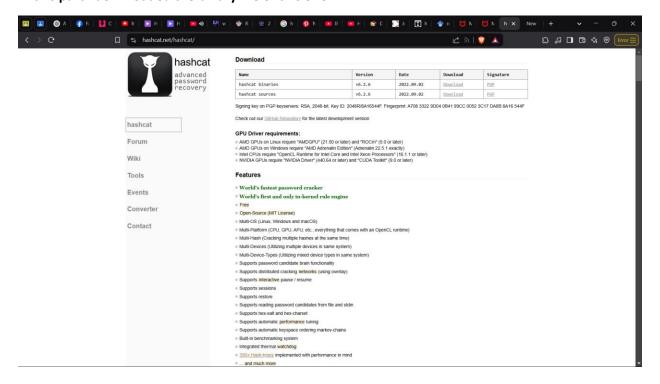
- 1. Download and use any software that can encrypt and decrypt a file or folder.
- 2. Create a simple guide/step-by-step of your work.
- 3. Send the software and the guide/step-by-step of your work in a pdf format.

Step 1:

I downloaded a software called john the ripper and hashcat.

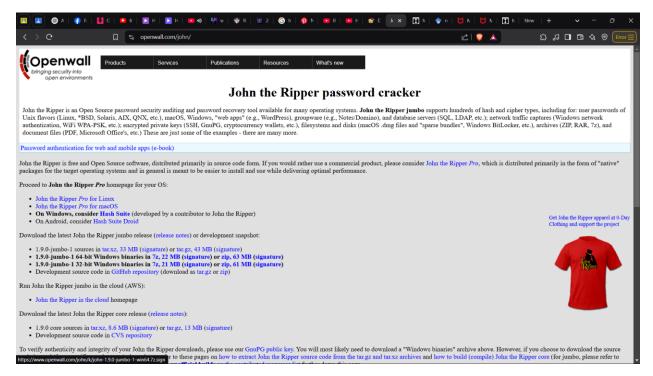
Hashcat

In this part I downloaded the binary file of this one



John the ripper

There in john the ripper I downloaded the zip file of it



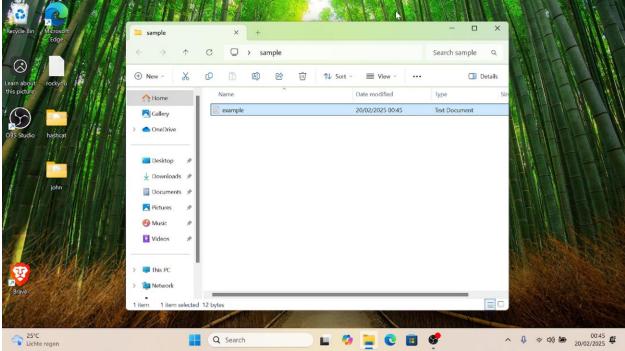
After downloading hashcat and john the ripper I proceded into the main topic which is to encrypt a folder and on how to cracked the password on this folder using the software that I downloaded.

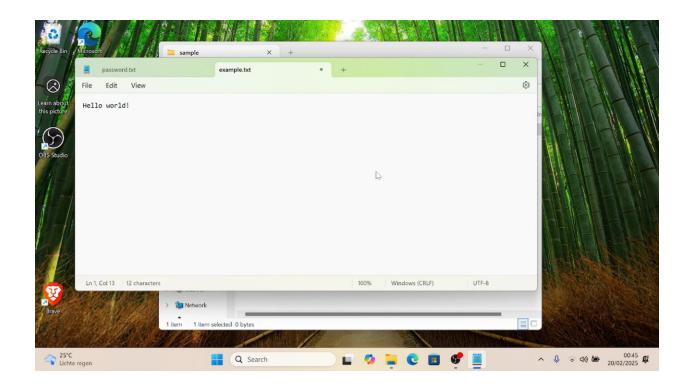
Here are my way on how to encrypt a folder:

Step 1:

I created a folder name "sample", then putting a text document file inside of it where there consists a word "Hello world!".

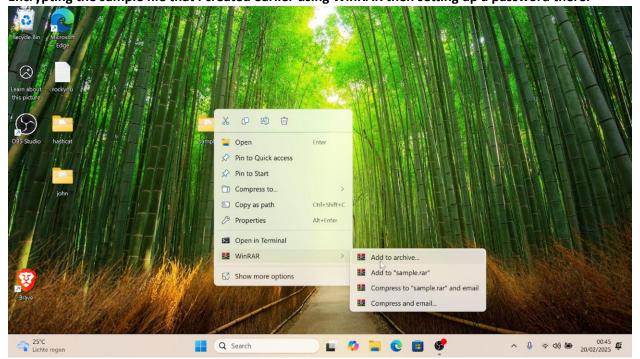


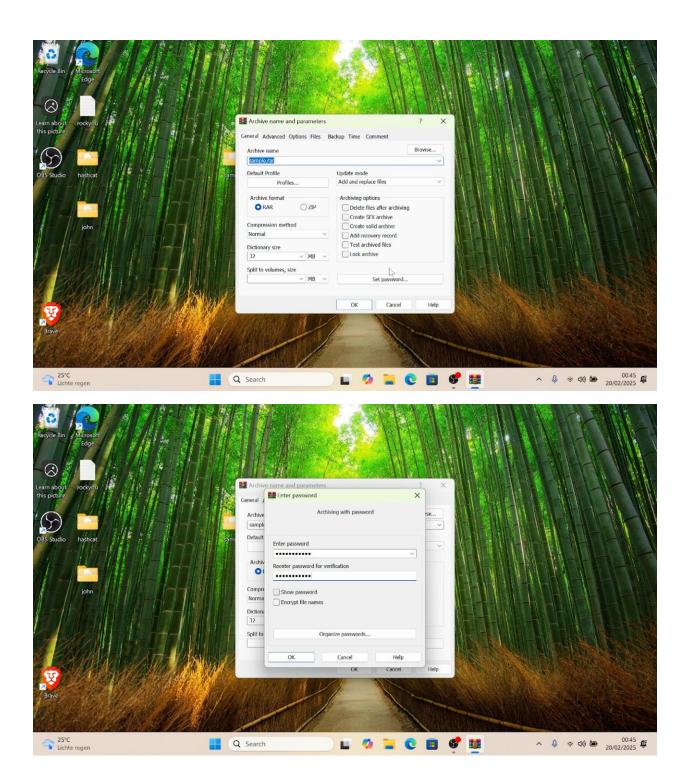


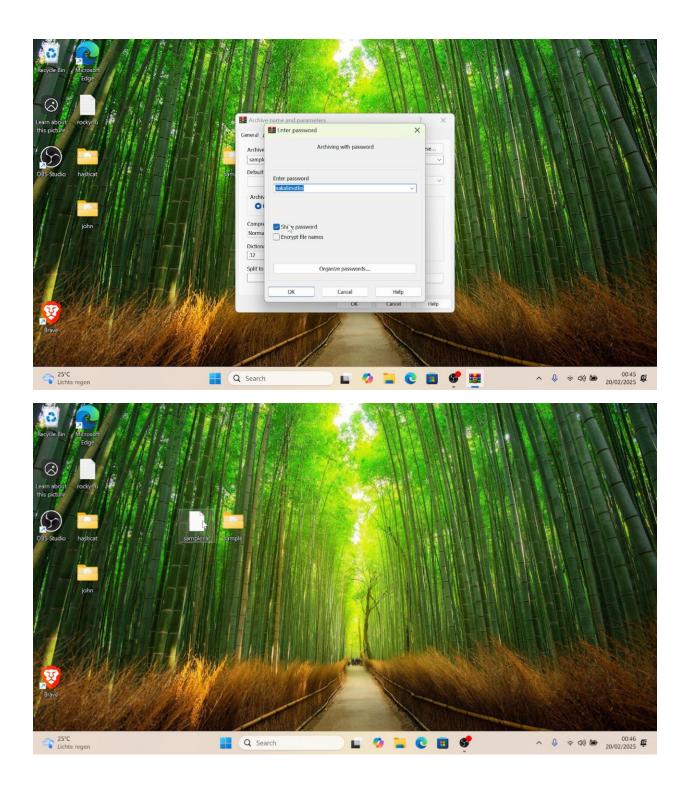


Step 2:

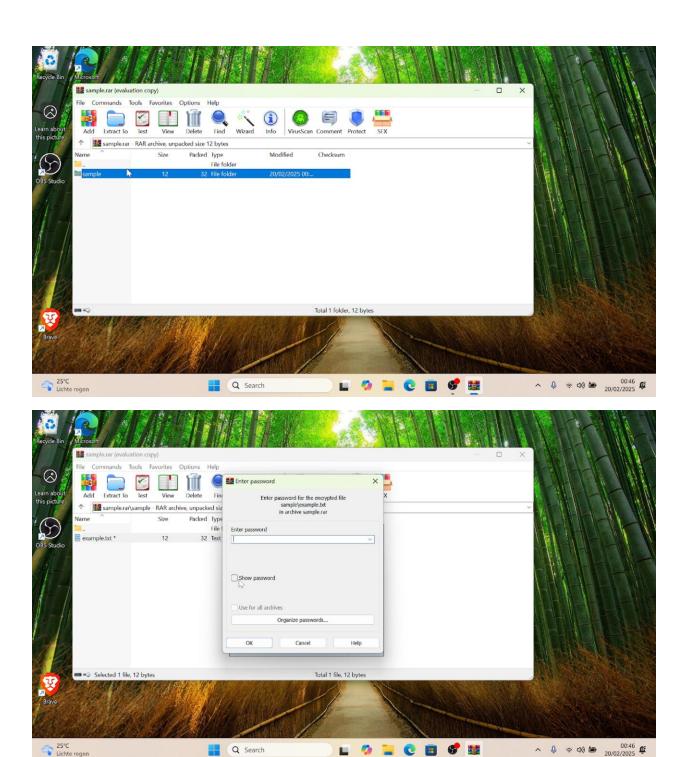
Encrypting the sample file that I created earlier using WinRAR then setting up a password there.

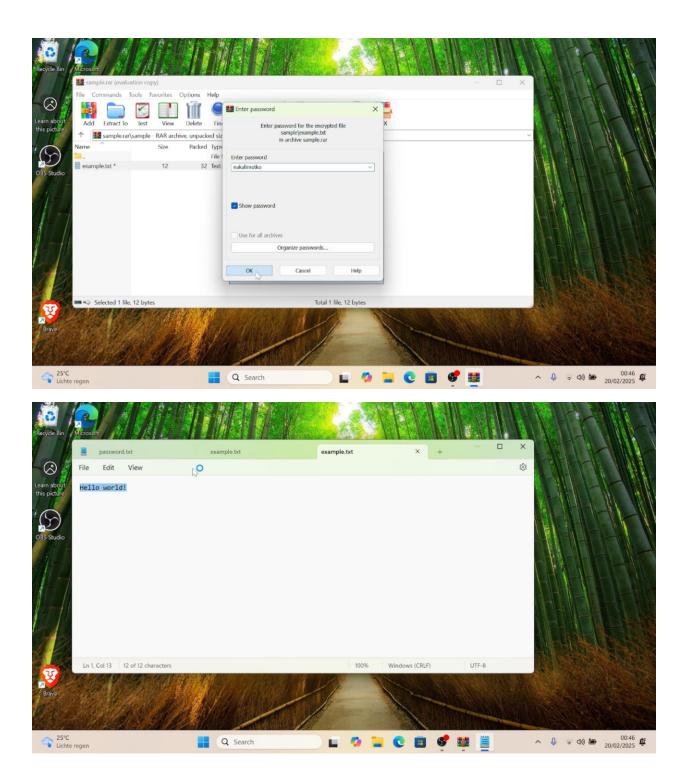






Then I checked the file to see if it was really encrypted.



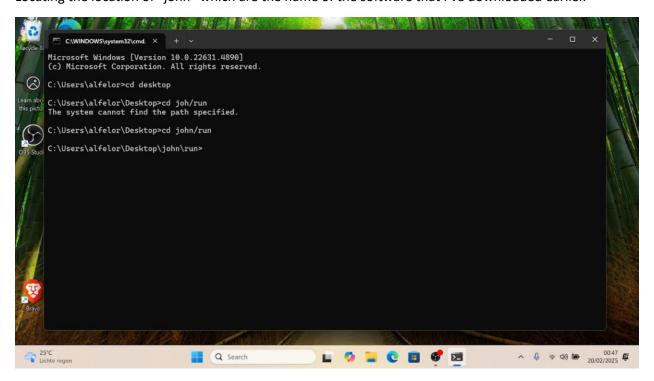


The encryption was succesfull.

In this part this is the decrypting process.

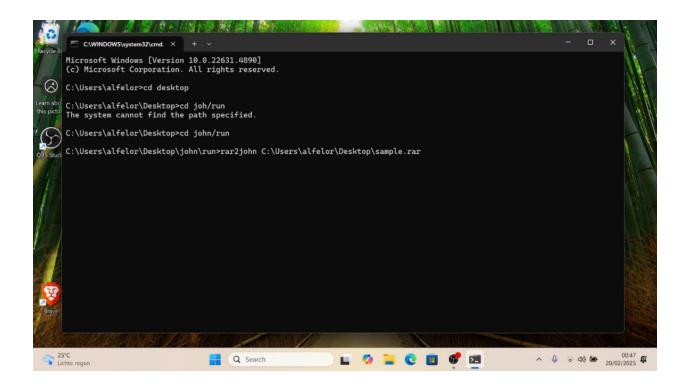
In decrypting I am using a command prompt (cmd), because the software that I downloaded earlier didn't have a Graphical User Interface (GUI).

Step 1:Locating the location of "john" which are the name of the software that I've downloaded earlier.



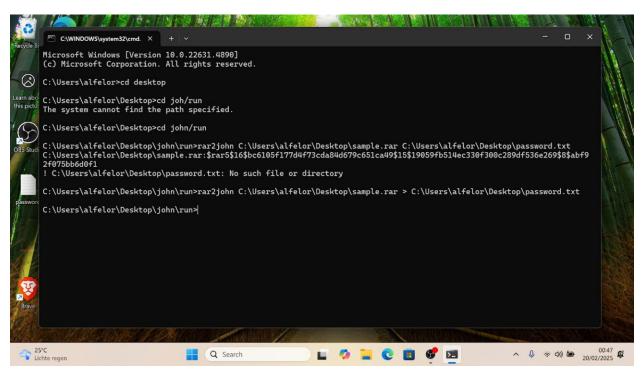
Step 2:

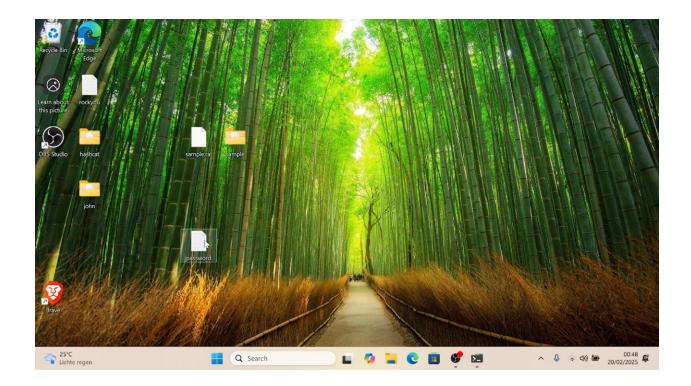
"rar2john" This command is to get the hashed password of the sample.rar that I've encrypt earlier. Then put the designated location of the folder that I want to get there hashed password.



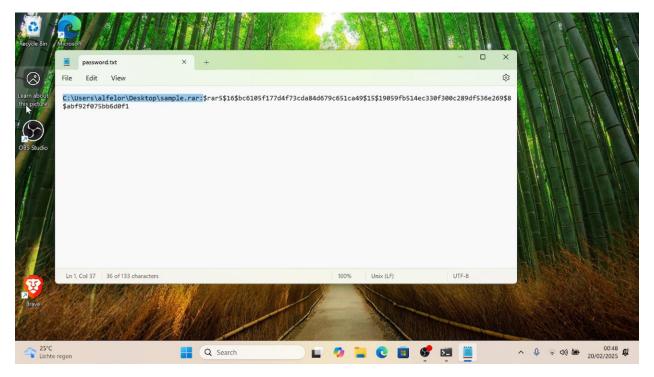
Step 3:

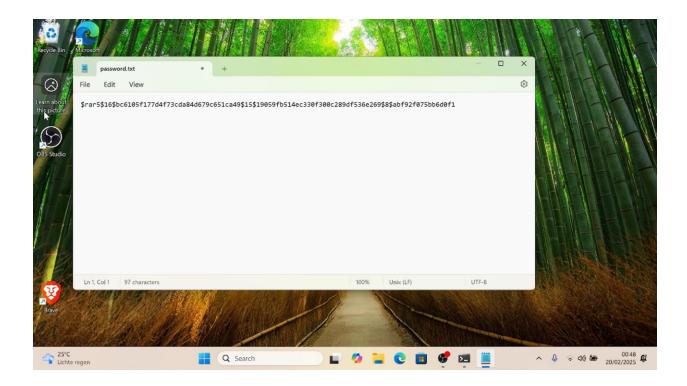
Putting a destination as to where I want to put the hashed password of the folder that I hashed using john software by naming it a password.txt, in this part I just put this one in the desktop so that it is easy to locate..





In this part I highlight the part that are need to remove, because this is not needed, the only part that are needed is the text that are not highlight there. That was the hashed password of the file that I encrypt before.

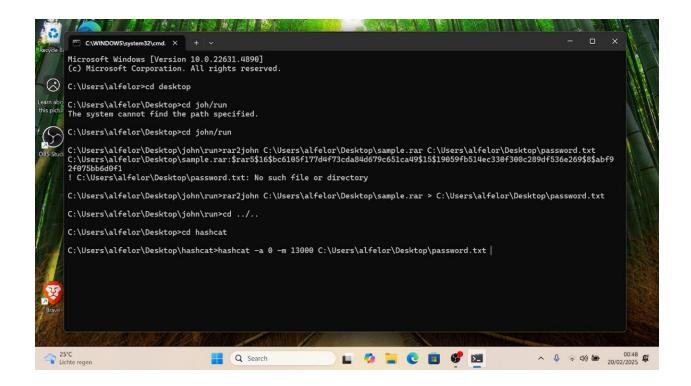




Step 4:

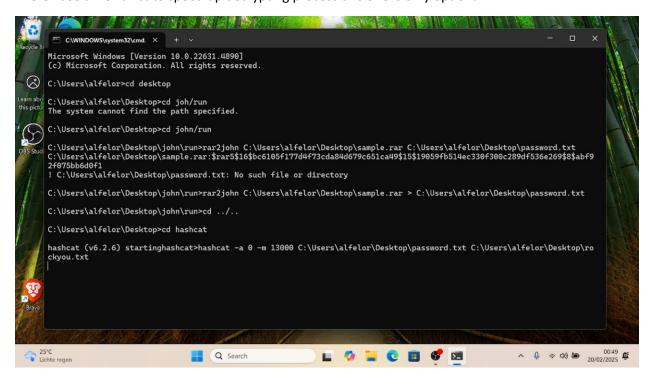
In this part I'm using the hashcat software to cracked the password that are hashed earlier using the john software.

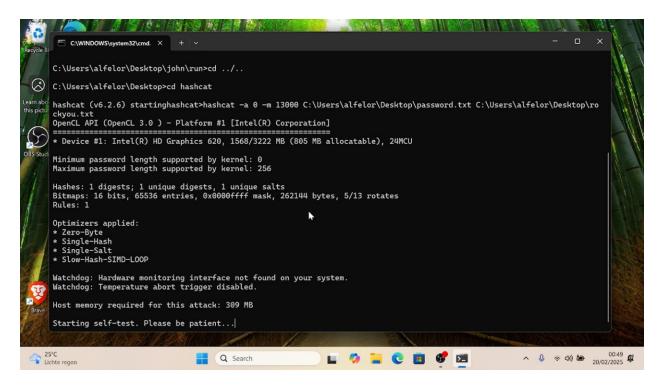
"hashcat -a 0 -m 13000" This is the command that I use in my process (-a) is attack (0) is direct and (-m) mode which means my attack is a direct mode and (13000) I use this one because this is the algorithm of RAR5.



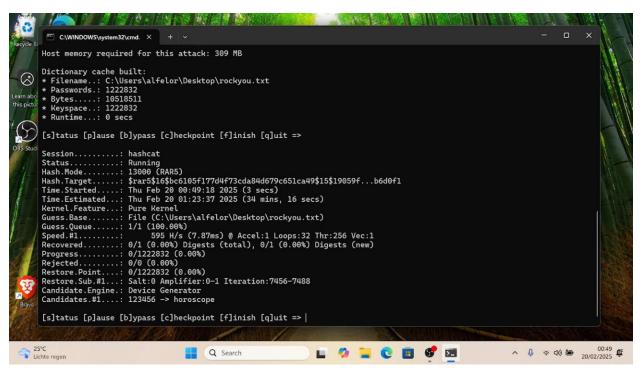
Step 5:

There I use a world list to speed up decrypting process this one is only optional.

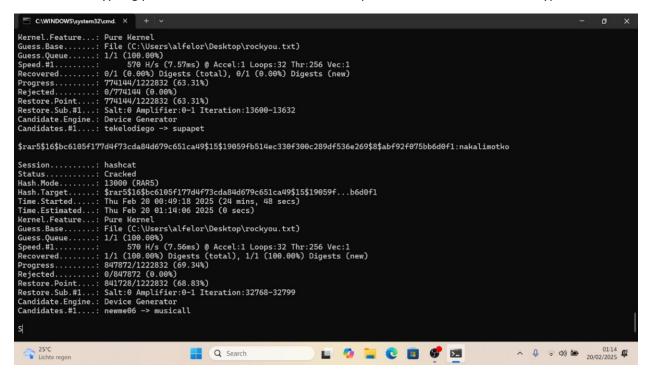




Just wait there until the password was decrypt, and just press {s} to see the status.



There the decrypting process was done, and there are the password of the file that I encrypt earlier.



That's it for my encrypting and decrypting.