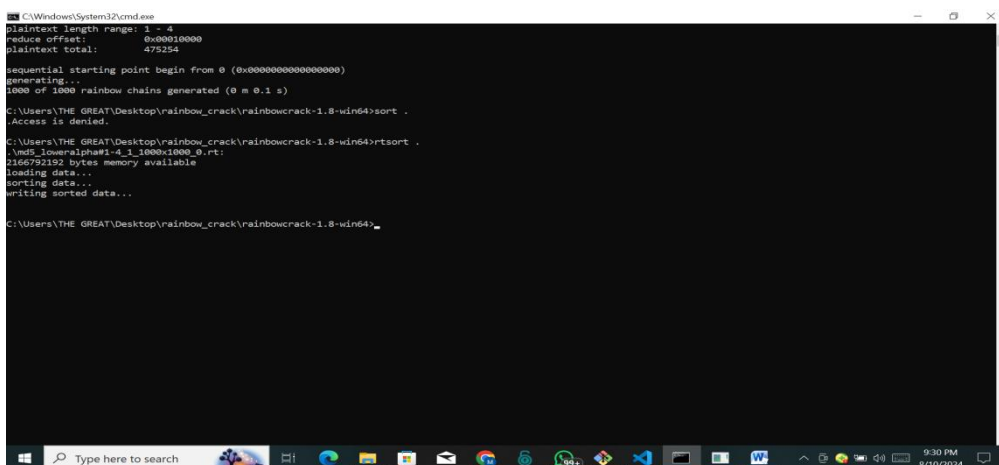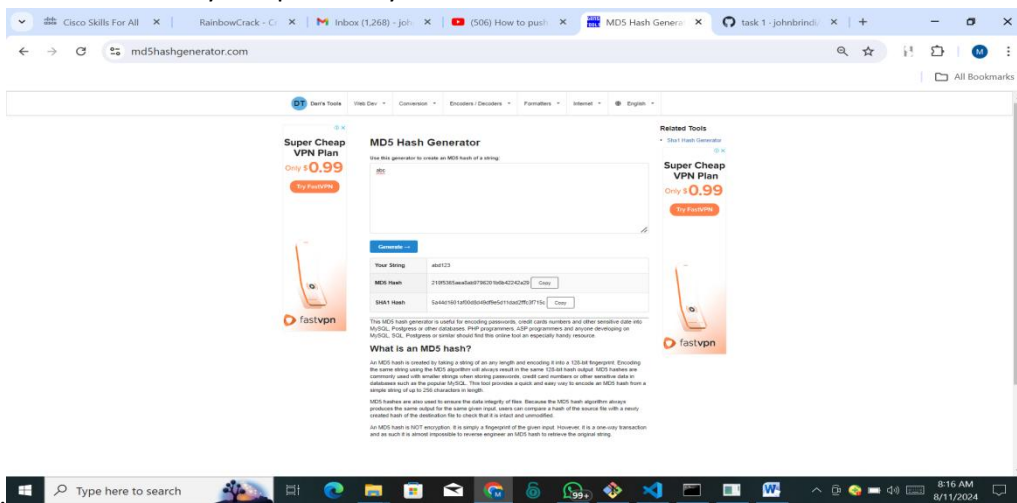# RAINBOWCRACK

Rainbowcrack is a tool for speeding up the password cracking process using rainbow tables. It is suitable for various operating but in this scenario I am work with windows 10 Operating system. Below are some of the outlined steps to archieve this.

1. Download this windows distribution for the rainbowcrack and install on my pc. Later on navigate to the command prompt(CMD) with the rainbow directory and create a simple rainbow table using the command *"rtgen md5 loweralpha 1 4 1 1000 1000 0"* . After creating the hash tables it is them sorted using the command "rtsort"

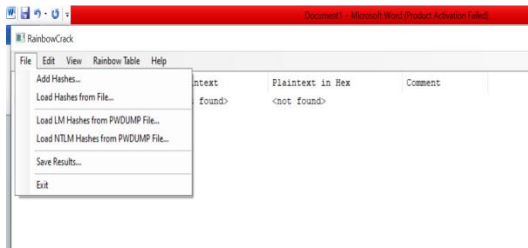2. I navigate to their website https://wwwmd5hashgenerator.com to create a hash using my choice of character as shown in the screenshot below. And copy the generated hash key then copy the generated hash key and past in my
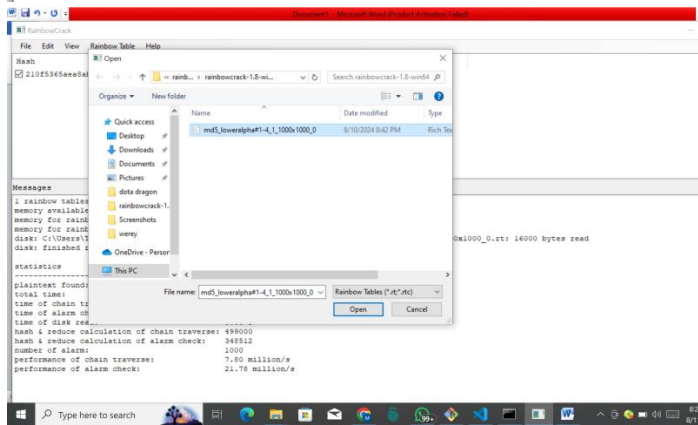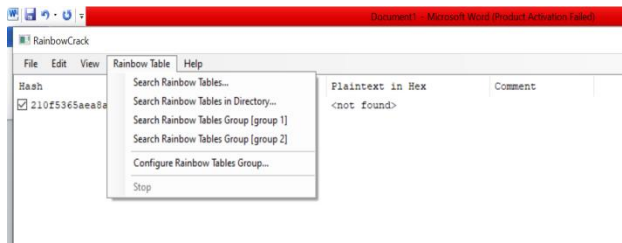

rcrack_gui.
3. Further more, past the generated hashes key to rcrack_gui by navigating to files>add hashes

4. Navigate to Rainbowtables and select the rainbow table that was generated at the beginning

5. After successfully carrying the above instruction well, the hased key is going to be decrypted

RainbowCrack

File   Edit   View   Rainbow Table   Help

Hash	Plaintext	Plaintext in Hex	Comment
☑ 900150983cd24fb0d6963f7d28...	abc	616263	

Messages

```
1 rainbow tables found
memory available: 1712481894 bytes
memory for rainbow chain traverse: 16000 bytes per hash, 16000 bytes for 1 hashes
memory for rainbow table buffer: 2 x 16016 bytes
disk: C:\Users\THE GREAT\Desktop\rainbow_crack\rainbowcrack-1.8-win64\md5_loweralpha#1-4_1_1000x1000_0.rt: 16000 bytes read
disk: finished reading all files
plaintext of 900150983cd24fb0d6963f7d28e17f72 is abc

statistics
-------------------------------------------------------------
plaintext found:                          1 of 1
total time:                               0.22 s
time of chain traverse:                   0.08 s
time of alarm check:                      0.00 s
time of disk read:                        0.00 s
hash & reduce calculation of chain traverse: 499000
hash & reduce calculation of alarm check:    4746
number of alarm:                          129
performance of chain traverse:            6.32 million/s
performance of alarm check:               4.75 million/s
```