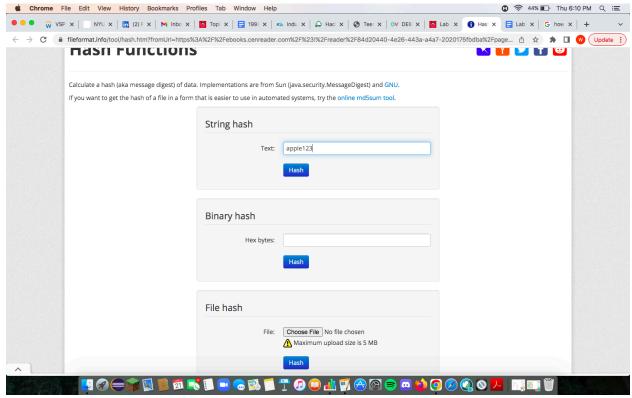
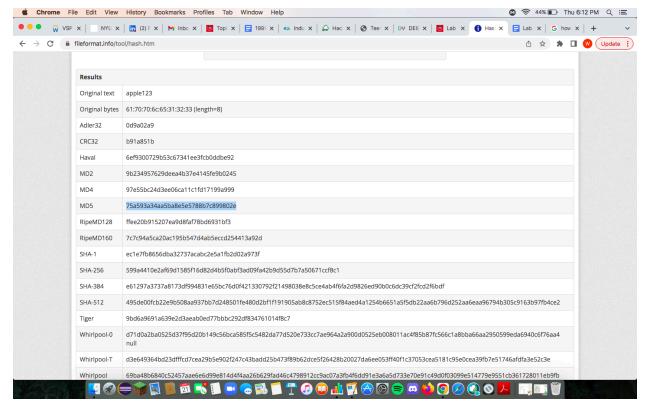
Project 12-1: Using an Online Password Cracker

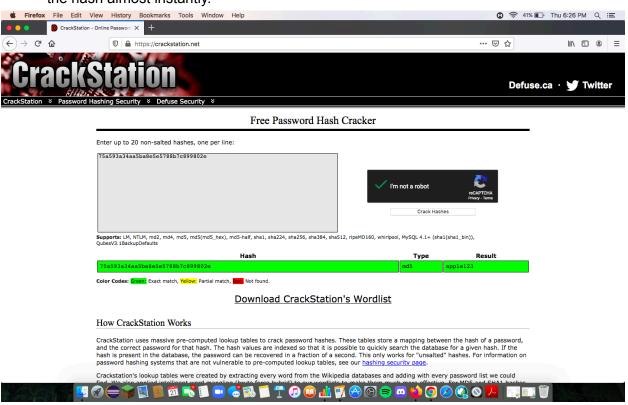
1. The first step was to go to www.fileformat.info/tool/hash.htm and enter the password "apple123" in the string hash text box and then click the hash button.



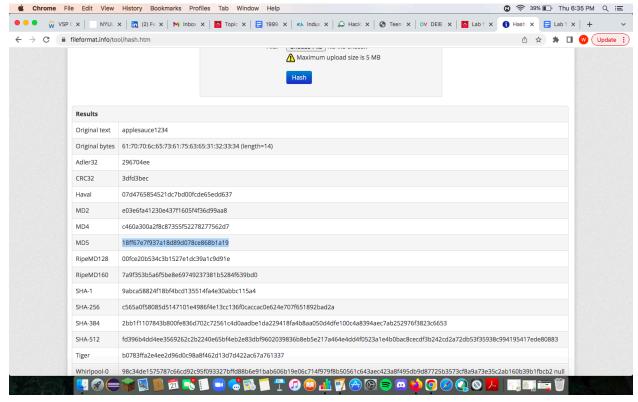
2. The next step is to scroll down to the list of different hashes and look at the hash named "MD5". The MD5 hash for "apple123" is 75a593a34aa5ba8e5e5788b7c899802e. We need to copy this hash and then go to the website called https://crackstation.net/.



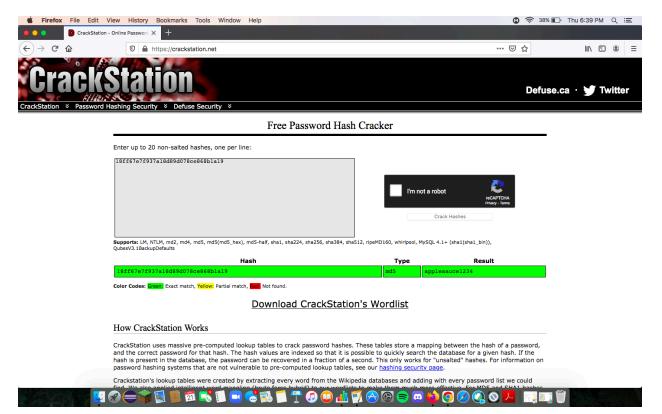
The next step is to paste the MD5 hash into the box that allows for 20 unsalted hashes. After pasting it into the box, click the box named "crack hashes." The website cracked the hash almost instantly.



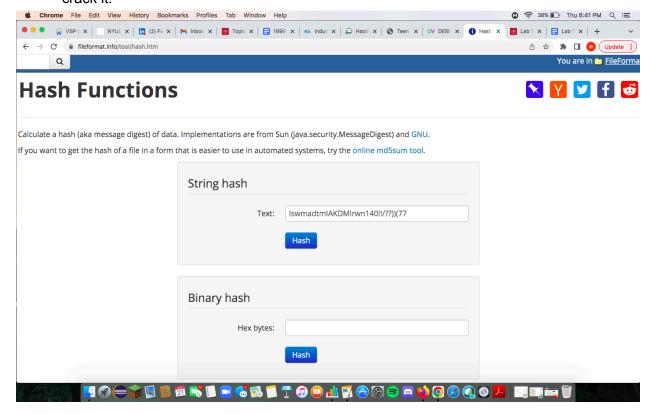
4. The next step is to return to the original website and enter this password "applesauce1234" in the textbox, click hash, and then copy the MD5 hash again.

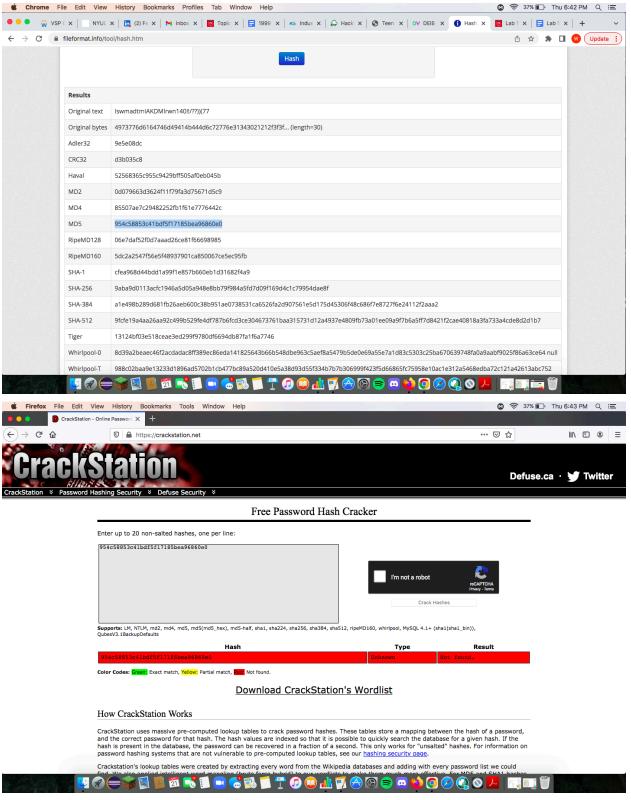


5. After copying the MD5 of the password, we go to the second website we visited earlier, and enter the hash into the website. It also took almost instantly to crack this hash



After doing that, I am going to revisit the first website that I viewed and enter a random password of my choosing and see how long that it takes for the password cracker to crack it.





7. This tells me a ton about password crackers and how important it is to have a strong password. For the two easy passwords we experimented with, it was almost instant to crack these passwords, but for the very complex password I entered in, the password

password.

cracker could not decipher the hash value that was associated with the complex