# Task 6:

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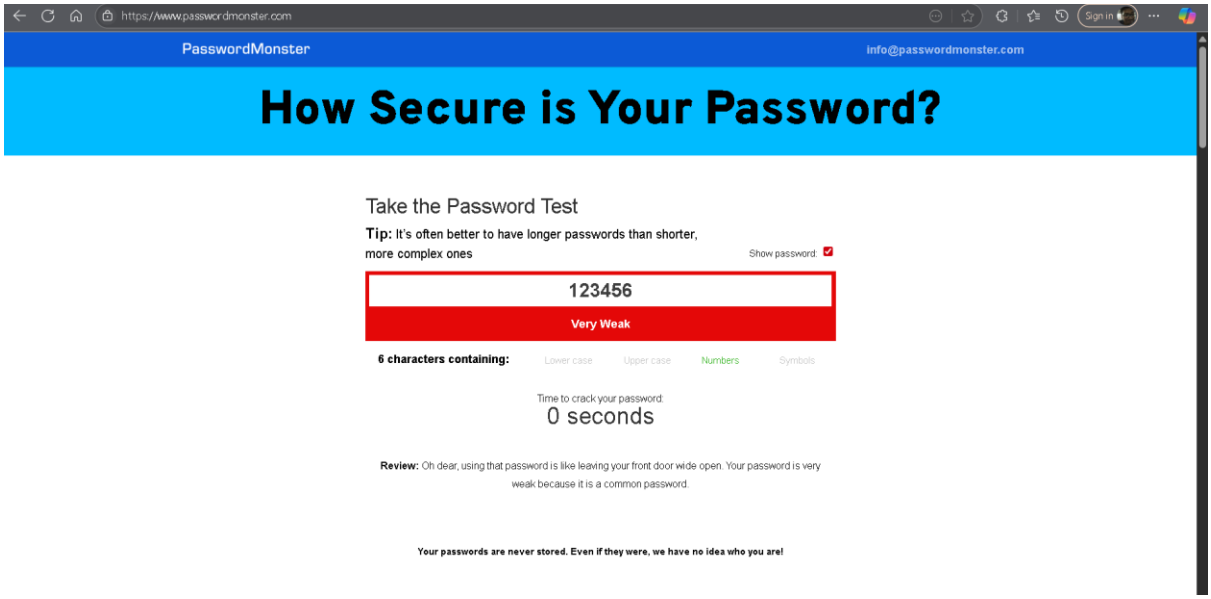
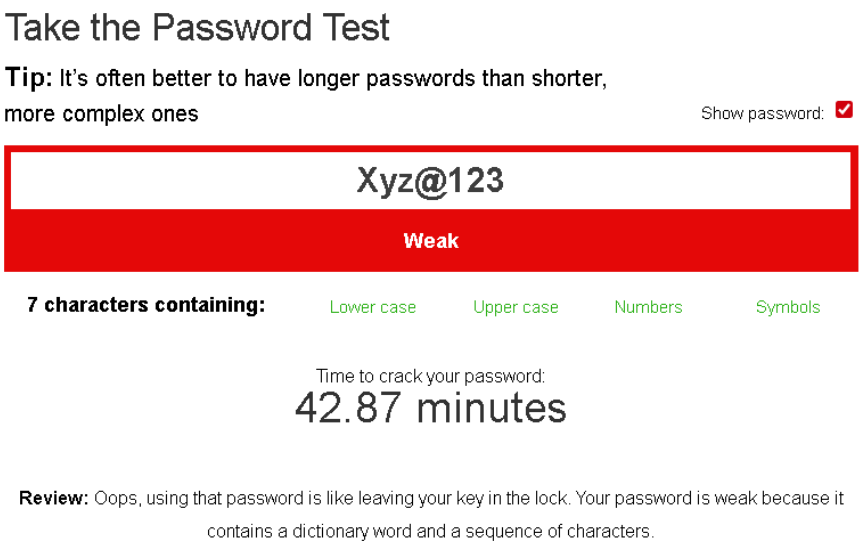
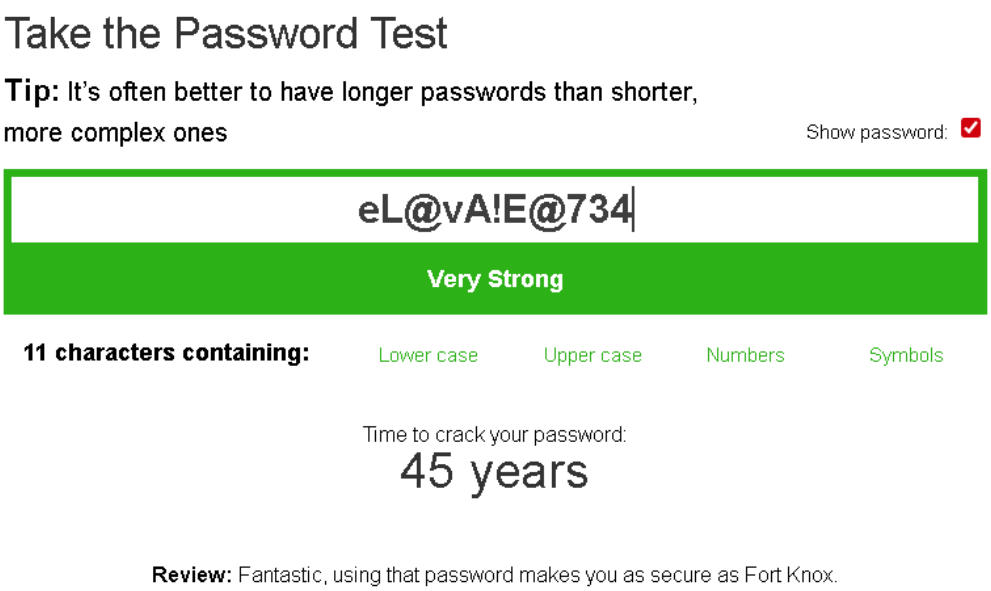
Using a site known as password monster we evaluate the strength of various types of passwords:




The website suggests us to use all the different types of characters such as numbers,symbols,upper and lower case. It also shows the time it would take for the password to be cracked.




The website also suggests to not use dictionary words as it makes it easier to crack




Increasing the no of characters as well including a variety of characters makes our password a lot more stronger

Some common password attacks are as follows:

a)Bruteforce: where every possible combination is tried out until success

b) Dictionary Attack: where common words and variations are tried out

c)keylogging: where a malware records our keystrokes

To conclude the higher the complexity and length of the password the harder it Is to any form of attack and weak passwords such as names and dictionary words should be avoided