

ELEVATE LABS CYBERSECURITY

INTERNSHIP

Task-6:

1)

12345678 - Very weak

Elevatelabs- Weak

ElevateLabs@2005 - Good

El@2ev00atela5bs - Strong

/wv5G*]mZe*oy),sw - Very Strong

2)

Lets compare the above passwords with respect to Numbers, Uppercase, Lowercase, symbols, and length variations used

Password

Password	Uppercase	Lowercase	Symbols	Numbers	Length
12345678	NO	NO	NO	YES	8
Elevatelabs	YES	YES	NO	NO	15
Elevatelabs@2005	YES	YES	YES	YES	16
El@2ev00atela5bs	YES	YES	YES	YES	16
/wv5G*]mZe*oy),sw	YES	YES	YES	YES	17

3,4)

Using [Password Strength Meter](#) checking the strength of passwords created also scores and feedbacks can be observed

Password:12345678

PasswordMonster

How Secure is Your Password?

Take the Password Test

Tip: It's often better to have longer passwords than shorter, more complex ones

Show password: ☒

12345678

Very Weak

8 characters containing:

Lower case

Upper case

Numbers

Symbols

Time to crack your password:

0 seconds

Password:Elevatelabs

How Secure is Your Password?

Take the Password Test

Tip: It's often better to have longer passwords than shorter, more complex ones

Show password: ☒

Elevatelabs

Medium

11 characters containing:

Lower case

Upper case

Numbers

Symbols

Time to crack your password:

3 hours

Review: Hmm, using that password is like locking your front door, but leaving the key under the mat.

Your password is of medium strength because it contains 2 dictionary words.

Password:Elevatelabs@2005

How Secure is Your Password?

Take the Password Test

Tip: It's often better to have longer passwords than shorter, more complex ones

Show password: ☒

Elevatelabs@2005

Strong

16 characters containing:

Lower case

Upper case

Numbers

Symbols

Time to crack your password:

5 months

Review: Good, using that password is like locking your front door and keeping the key in a safety deposit box.

Password:El@2ev00atela5bs

How Secure is Your Password?

Take the Password Test

Tip: It's often better to have longer passwords than shorter, more complex ones

Show password: ☒

El@2ev00atela5bs

Very Strong

16 characters containing:

Lower case

Upper case

Numbers

Symbols

Time to crack your password:

16 trillion years

Review: Fantastic, using that password makes you as secure as Fort Knox.

Password:/wv5G*jmZe*oy),sw

How Secure is Your Password?

Take the Password Test

Tip: It's often better to have longer passwords than shorter, more complex ones

Show password: ☒

/wv5G*]mZe*oy),sw

Very Strong

17 characters containing:

Lower case

Upper case

Numbers

Symbols

Time to crack your password:

7 billion trillion years

Review: Fantastic, using that password makes you as secure as Fort Knox.

5)

Use at least 12–16 characters

Mix uppercase, lowercase, numbers, and symbols

Avoid dictionary words and common phrases

Do not reuse passwords across different accounts

Use a password manager to store and generate passwords

There are also some tools such as [🌐 Create strong passwords for free | F-Secure](#) and also google password generator to generate very strong passwords

6)

A password like Elevatelabs@2005 is decent but not enough for high-value accounts

Complexity must be combined with length (16+ characters ideal)

Avoid patterns like Name + Year or Word + Number

Passwords should be randomly generated if possible

Adding multiple symbol types improves score significantly

7)

Brute Force:

Tries every possible combination until the correct one is found effective against short, simple passwords

Dictionary Attack:

Uses common words or phrases from a predefined list very effective on passwords like Elevatealabs

Credential Stuffing:

Uses leaked username password pairs on multiple sites prevented by using unique passwords for each account so instead of using same password across multiple platforms use various passwords and try to change password in fixed intervals

8)

Low complexity : susceptible to quick dictionary/brute force attacks easy to crack using existing state of art tools

Medium complexity : delays attackers not effectively but for a short amount of time not preferable to use where privacy matters the most.

High complexity + length : Very tough to crack even with the state of art tools that are present the more complex and lengthy the password is the more difficult for it to get cracked.

So choosing password wisely with higher complexity is a better choice to do else passwords alone not going to help to keep our details in applications secure enough.

