Arash Kheirollahi146731245 akheirollahi@mySeneca.ca  
Did you know Bananas Are Berries, But Strawberries Aren't!

**Activity 1** of 2: **(50 marks = 4 × 12.5)**

1. Passphrase Manager

🡺 Advantages

The whole concept of having a program to save and manage your password has lots of benefits, likewise the convenience of just logging in with some few clicks or the absence of needing to memorize every password you set up for every webpage, it can also be a really good life saver when you have many accounts in one w

🡺 Disadvantages

Although it can help significantly with managing and using passwords, it can also have many security issues; for example for any security issue your password manager account gets exposed, all of your accounts which were saved are going to be exposed to people. The other issue that people might encounter is if for any reason the lose access to passphrase manager app, they are not going to be able to log in any of their accounts

2. Passphrase Generator

🡺 Advantages

PassPharse generators are a good way to generate a password that is hard to crack or being guessed, so it can easily check the security requirements, it is also a very fast way to generate these types of passPhrases; if you want to generate a secure passphrase yourself it might take some time and the result is not guaranteed to be fully random or hard to guess, but with Generator apps you can make sure it’s a strong one.

🡺 Disadvantages

The Generated passphrases are way to hard to remember and you might end up using a passphrase manager app again, so in case of memorizing, it is going to be difficult. The other problem is that there are too many tools online you will never be sure which one to use or trust to, it is possible that the tools you choose or use are somehow connected to manipulating users that are just going to save your passphrase easily without any problem.

3. Use single sign on where available

🡺 Advantages

It’s really easy and fast way to login or sign up in different places, and you can basically manage all of your accounts from one place.

Also with this method you don’t need to save or memorize any piece of passphrase so its even more easier to use this method.

🡺 Disadvantages

Again with this method you are centering all of your accounts information on one place so if it gets exposed, every account and information would be in danger.

Another con of this method is when you are connecting to a database with a general account like Google, you are basically sharing a lot of data with these companies and exposing your online personality on different websites.

4. What do you do to safeguard your passwords and digital life?

🡺for keeping my info safe, I try to keep a balance between using convenient tools and safety practices, for instance I divided my accounts in two group, critical and non-critical; for the less important group of data I manage them with trusted tools , but for the more important ones I try to choose different and complicated.

Why is that (or why will that be) the best method for you?

🡺generally speaking going through every passphrase and making sure its secure might not be a good idea because the process is really time consuming and takes a lot of effort to obtain absolute safety, so it might be better to get some kind of balance in the trade off of being easy or secure

Why won't you use other methods?

🡺of course there are many other ways to have passphrase security on the internet but genuinely speaking I feel comfortable with this way because I don’t feel like all of my data is very critical; it is mostly depends on the user

**Activity 2** of 2: (50 marks for 250+ words)

🡺 **What is the price of free?**