CEF451 – Security of IS and Cybersecurity

Practical Task 1

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1- Securing passwords

Passwords have been and will remain the most important security measure in the digital space. While they can be supplemented and framed by other measures, they remain # 1 on the list of defense strategies up to now.

Yet, all passwords are not the same in terms of length and strength. They can be secured using password manager such as *KeePassX* or *1Password*.

Download and install a software tool for securing passwords of your choice. Describe how it works and illustrate it with examples.

2- Encryption Software

Encryption is useful for both data and hard disk drives. One of the commonly used tools to start with is *Veracrypt*.

Download and install an encryption software tool of your choice. Describe how it works and illustrate it with examples.

NB: For these tasks, provide a report of your activities including links where you downloaded software, installation process and screenshots of your executions. The report should not exceed 10 pages.