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Task 1A
An analysis of current cyber security risks to organisations

Cybersecurity includes technologies, processes and procedures designed to protect networks, computers, programs and data against attacks, damage or unauthorized access. In an IT context, security includes both cybersecurity and physical security. One of the most problematic elements of information security is the rapid and constant change in security risks. The traditional approach has been to focus most of the resources on the key components of the system and protect them from the key threats that required the need to leave behind some of the less important unprotected system components and some less dangerous unprotected ones.

Threats can turn potential vulnerabilities into attacks on computer systems, networks and more. They can endanger computer systems and individual computers. Therefore, security holes must be corrected so that attackers cannot penetrate the system and causes damage.

Threats include viruses, Trojans, backdoors and hacker attacks. Often, the term "mixed threat" is more precise, since more threats means more attacks. For example, an attacker could use a phishing attack to obtain information through a network and enter a network. (Zamora and Zamora, 2018)

Some recent cyber-attacks were:

Shadow Brokers

The mysterious hacking group known as the Shadow Brokers first surfaced in August 2016, claiming to have breached the spy tools of the elite NSA-linked operation known as the Equation Group. The Shadow Brokers offered a sample of alleged stolen NSA data and attempted to auction off a bigger trove, following up with leaks for Halloween and Black Friday in 2016.