

Assignment - 1

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1.) Types of Cyber Attacks :-

Following are types of cyber attacks :-

a) Malware :-

It is a type of applicant that can perform a variety of malicious tasks. This malware type of cyber attack is usually designed to create a persistent access to a network, (or) to spy on the user in the goal of obtaining credentials and their valuable (victims) data which is designed in turn to create disruption. This type of cyber attack is little dangerous as it can go unnoticed for several months or longer.

b) Phishing :-

This type of cyber attack usually goes into tricking the victims into giving out their valuable information such as passwords, credit card details etc by sending an email pretending to be

from our bank, legitimate organization, tax department etc. This is the most common attack as it is easy to trick in the victims and attack their environment (cyber). ^②

c) Man in the Middle attack :-

(MITM)

This attack is where the attacker intercepts the communication between two parties in an attempt to spy on the victim, steal their information (or) credentials and alter them in some other way. This type of attack has reduced due to the advancements of technology which is preventing tampering of data over the network.

d) Distributed Denial of Service (DDoS) :-

In this type the attacker floods a target server with traffic in an attempt to disrupt and also

even bring down the target. The ~~DDOS~~ ^{DDoS} ③ attack is able to leverage multiple compromised devices in order to bombard the target with traffic.

c) Password Attack:-

This is a type of cyber attack where an attacker tries to crack the user's passwords. There are various types and techniques for cracking the passwords. And again users use Phishing techniques to obtain a user's password.

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