USER AUTHENTICATION CMAP
ASSIGNMENT 2
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User Authentication

is defined as

has four means of authenticating

The process of verifying an identity claimed by or for a system entity

It has two steps

Identification Step, which is presenting an identifier to the security system

Verification Step, which ispresenting or generating authentication information that corroborates the binding between the entity and the identifier

Something the individual knows like Password /PIN

is where

Something the individual Posseses like Electronic key, or card

The types of cards are

1. Embossed
2. Magnetic
3. Memory
4. Smart

Something the individual is like fingerprint, retina

Something the individual does like voice pattern typing rhytm

attempts to authenticate an individual based on unique physical characteristics
• based on pattern recognition
• is technically complex and expensive when compared to passwords and tokens

1.the individual requires username and passwor
2. It is the most widely used authentication system
3. There are many kinds of password vulnerabilities such as : Offline Dictionary Attack, Specific Account Attack, Password Guessing, Workstation Hijacking

The countermeasures for the attack can be

1. Intrusion detection measures
2.Rapid reissuance of compromised passwords
3.Account Lockout Mechanisms
4.Automatic workstation logout and so on

The most popular and best countermeasures is

Use of hash function