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_	y pes of flutherine	tion: Biometrics	Corted Other Pader
	Biometrics refers to the identifica	ntion of individuals based on their physic	al characteristics
		Biometric Identification Techniques	,
	Fingerprinting	Retinal Scanning	Iris Scanning
	Ridges and furrows on the surface of the fingertip, which are individually unique	Analyzes the layer of blood vessels at the back of their eyes	Analyzes the colored part of the eye
	Vein Structure Recognition	Face Recognition	Voice Recognition
	Analyzes the thickness and location of veins	 Analyzes the pattern of facial features 	Analyzes an individual's vocal pattern
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T	ypes of Authentica	ation: Smart Card Au	thentication CEEH
Ī	A smartcard is a small computer authenticate the user Users must insert their Smartcar (PIN) to complete authentication	rds into readers and their Personal Identia	rmation required to
Notes:	A smartcard is a small computer authenticate the user Users must insert their Smartcar (PIN) to complete authentication Smartcard Authentication is a crestronger security than password	rds into readers and their Personal Identia	fication Number

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Types of Authentication: Single Sign-on (SSO) SSO allows a user to authenticate themselves to multiple servers on a network with single password without re-entering it every time Advantages: Users do not need to remember passwords for multiple applications or systems Reduces the time needed for entering a username and password Reduces the network traffic to the centralized server Users only need to enter credentials once for multiple applications Day SERVER Day SERVER Day SERVER

Types of Authorization



 Authorization involves controlling an individual's access of information (E.g., the user can read the file but not overwrite or delete it)

Types of Authorization Systems

Centralized Authorization

- Authorization for network access is done through a single centralized authorization unit
- Maintains a single database for authorizing all the network resources or applications
- n easy and inexpensive authorization approach

Implicit Authorization

- Users can access the requested resource on behalf of
- The access request goes through a primary resource to access the requested resource

Decentralized Authorization

- Each network resource maintains its authorization uni and locally performs authorization
- Maintains its own database for authorization

Explicit Authorization

- Unlike Implicit Authorization, it requires separate authorization for each requested resource
- Explicitly maintains authorization for each requested object

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Notes:	 	 	 	_

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