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What are biometric devices?

Ans:

Definition:

Biometrics is the measurement and statistical analysis of people's unique physical-and behavioral characteristics and the devices used to identify these biometric is called biometric devices.

Example:

A user identifying themselves to a computer or building by their fingerprint or voice is considered a biometrics identification. When compared to a password, this type of system is much more difficult to fake since it is unique for every person. Other common methods of a biometrics scan are a person's face, Vein recognition, Fingerprints, ear, voice, hand, iris, and retina.

Features:

These devices are input devices as they input data into the computer about the biometrics. To Identify the unique patterns of biometric they come in many different sizes and shapes. The most well known is fingerprint these days. These systems are very reliable and more secure compared to passwords and keys because it is extremely difficult to fake these biometric features of a person since every person has unique biometric features.

Uses:

1. Fingerprint is being used by NADRA for CNIC data.
2. Fingerprint sensors are also being added into smartphone as security.

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3. Fingerprint is being used by GSM companies by database of NADRA.

4. Face Recognition & fingerprint is being used by companies to identify employee and automatic attendance system records when the employee arrived at company and when the employee left.

5. School and Universities are also starting the biometric attendance with which students will be automatically be identified by face recognition and fingerprint. If the student is absent or skipping classes, this system automatically informs parents & management.

6. Some companies use authorized person face recognition to unlock and open doors.

Student Note:

This answer has been given in details you can skip some point from all heading except definition. Definition is important.