

ASSIGNMENT-1

CIA TRIAD: The CIA Triad is a fundamental concept in cybersecurity that represents three core principles essential for information security. This triad consists of Confidentiality, Integrity, Availability.

CONFIDENTIALITY: Confidentiality is simply keeping information secret. It is shared only those who have access to it or protecting the information from unauthorized people.

INTEGRITY: It is making sure that information stays accurate and trustworthy. It's like ensuring that a message you send doesn't get changed or tampered with while it's on its way to the recipient.

AVAILABILITY: Availability is ensuring that information and services are always ready and accessible when needed. It's like making sure a website is up and running so that people can visit it at any time.

IDENTIFICATION: Identification in simple terms is recognizing or figuring out who or what something is. It's like knowing a person's name or recognizing a friend's face in a crowd.

AUTHENTICATION: It is proving that you are who you say you are. It's like showing your ID card or entering a password to confirm your identity.

AUTHORISATION: It is giving permission or approval. It's like having a special key or a passcode that allows you to enter a restricted area. authorization involves granting specific individuals or systems the right to access certain information.

ACCOUNTABILITY: It is taking responsibility for your actions. It's like owning up to what you did, whether it's something good or something that went wrong

REAL WORLD SCENARIO CRICKET

Confidentiality:

- The team discusses game strategies, tactics, and potential changes in a private team meeting, ensuring that sensitive information is kept within the team.

Integrity:

- During a match, players are expected to maintain the integrity of the game by adhering to the rules and regulations, not engaging in cheating or match-fixing

Availability:

- The team ensures that players are physically and mentally available for practices, training sessions, and matches, contributing to the team's overall performance.

Identification:

- Players wear jerseys with unique numbers, helping both viewers and teammates identify each other.

Authentication:

- Players carry identification cards or use biometric systems to confirm their identity during team meetings or when accessing certain areas, such as the locker room.

Authorization:

- The team captain, coach, and management determine which players are authorized to play in a particular match based on factors like skillset, current form, and their strategy.

Accountability:

- If a player performs exceptionally well or faces challenges, they are accountable for their individual contributions to the team's success or setbacks.