Briefly explain the three (3) main goals of database security.

01 a. i

- Confidentiality Confidentiality ensures that sensitive data remains protected from unauthorized access or disclosure.
- Integrity Integrity ensures the accuracy, consistency, and reliability of data stored in the database.
- Availability Availability ensures that the database and its data are accessible and usable when needed.

What role does NoSQL play in enterprises?

01 a. ii

- Handling Big Data Enterprises deal with vast amounts of data generated from various sources.
- Flexibility with Data Models NoSQL databases offer flexible data models, allowing enterprises to store and manipulate different types of data.
- High Scalability and Performance NoSQL databases provide horizontal scalability, enabling enterprises to handle massive data growth and increased workloads.
- Distributed Architectures Enterprises increasingly adopt distributed and cloud-based architectures.
- Real-time Analytics Many NoSQL databases provide built-in capabilities for real-time analytics and processing.

02	a.	i	
		y, Consistency, Isolation, Durability) is a set of properties that ble processing of database transactions.	
• Atom	nicity		
• Cons	istency		
• Isola	tion		
• Dura	bility		
What is	the role of s	sharding in NoSQL?	
02	a.	ii	
		SQL databases plays a crucial role in achieving scalability and distributing data across multiple nodes or servers.	
• Hori	izontal scal	ability	
• Data	a distributi	on	
• Loa	d balancing	5	
• Improved query performance			
• Imp	roved query	y performance	
• Imp	roved query	y performance	
• Imp	roved query	y performance	
• Imp	roved query	y performance	
• Imp	roved query	y performance	
• Imp	roved query	y performance	
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