

3 Lecture - CS403

Important Mcqs

1. **What is the purpose of database architecture?**

- A) To store data
- B) To manage data
- C) To organize data
- D) All of the above

Answer: D) All of the above

What is a database schema?

- A) A data structure that defines the logical organization of data
- B) A set of rules that govern the relationships between tables
- C) A diagram that shows the relationships between tables
- D) All of the above

Answer: A) A data structure that defines the logical organization of data

What is a database management system (DBMS)?

- A) A software application that interacts with the database
- B) A set of tools for managing the database
- C) A system that provides a way to store, retrieve, and manipulate data
- D) All of the above

Answer: D) All of the above

What is a database instance?

- A) A running copy of a database
- B) A set of tables that store data
- C) A collection of related data
- D) None of the above

Answer: A) A running copy of a database

What is a database server?

- A) A computer that stores the database
- B) A software application that manages the database
- C) A system that provides access to the database
- D) All of the above

Answer: D) All of the above

What is a client-server database architecture?

- A) A system in which clients access a central server to retrieve data
- B) A system in which clients store data on their local machines
- C) A system in which clients share data with each other directly
- D) None of the above

Answer: A) A system in which clients access a central server to retrieve data

What is a distributed database architecture?

- A) A system in which data is stored on multiple servers

- B) A system in which data is stored on a single server
- C) A system in which clients share data with each other directly
- D) None of the above

Answer: A) A system in which data is stored on multiple servers

What is a peer-to-peer database architecture?

- A) A system in which clients access a central server to retrieve data
- B) A system in which clients store data on their local machines
- C) A system in which clients share data with each other directly
- D) None of the above

Answer: C) A system in which clients share data with each other directly

What is a database trigger?

- A) A program that runs automatically in response to a database event
- B) A query that retrieves data from the database
- C) A report that summarizes data from the database
- D) None of the above

Answer: A) A program that runs automatically in response to a database event

What is a database index?

- A) A data structure that improves the speed of data retrieval
- B) A set of rules that govern the relationships between tables
- C) A diagram that shows the relationships between tables
- D) None of the above

Answer: A) A data structure that improves the speed of data retrieval