

5 Lecture - CS403

Important Mcqs

1. What is the first step in the database development process?

- a. Design schema
- b. Implement database
- c. Gather requirements
- d. Test database

Answer: c. Gather requirements

Which phase of the database development process involves creating a conceptual model of the database?

- a. Requirements gathering
- b. Data modeling
- c. Schema design
- d. Implementation

Answer: b. Data modeling

What is the purpose of schema design in the database development process?

- a. To gather requirements from users
- b. To create a conceptual model of the database
- c. To design the physical structure of the database
- d. To implement the database

Answer: c. To design the physical structure of the database

Which phase of the database development process involves writing code to create tables, indexes, and other database objects?

- a. Requirements gathering
- b. Data modeling
- c. Schema design
- d. Implementation

Answer: d. Implementation

Which phase of the database development process involves testing the database for functionality and performance?

- a. Requirements gathering
- b. Data modeling
- c. Schema design
- d. Testing

Answer: d. Testing

Which phase of the database development process involves ensuring the database is secure and meets regulatory compliance requirements?

- a. Requirements gathering
- b. Data modeling
- c. Schema design

d. Maintenance

Answer: d. Maintenance

What is the purpose of normalization in the database development process?

- a. To ensure the database meets regulatory compliance requirements
- b. To eliminate redundancy and improve data integrity
- c. To optimize database performance
- d. To test the database for functionality and performance

Answer: b. To eliminate redundancy and improve data integrity

Which phase of the database development process involves determining the storage requirements for the database?

- a. Requirements gathering
- b. Data modeling
- c. Schema design
- d. Implementation

Answer: c. Schema design

Which phase of the database development process involves creating user interfaces and reports for accessing the database?

- a. Requirements gathering
- b. Data modeling
- c. Schema design
- d. Implementation

Answer: d. Implementation

What is the purpose of backup and recovery planning in the database development process?

- a. To ensure the database meets regulatory compliance requirements
- b. To eliminate redundancy and improve data integrity
- c. To optimize database performance
- d. To protect against data loss and ensure availability of the database

Answer: d. To protect against data loss and ensure availability of the database