SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

AN AUTONOMOUS INSTITUTION

Department of Computer Science and Design

2 Mark Questions

1. **What is SQLite?**
2. **Mention two features of SQLite.**
3. **Why is SQLite considered a lightweight database?**
4. **What does "serverless" mean in SQLite?**
5. **Name two applications that commonly use SQLite.**
6. **How is SQLite different from other SQL databases like MySQL or PostgreSQL?**
7. **What file extension does an SQLite database use?**
8. **How do you create a new database in SQLite?**
9. **What is the primary key in an SQLite table?**
10. **How do you insert data into an SQLite table?**
11. **What command is used to retrieve data from an SQLite table?**
12. **How do you update a record in an SQLite database?**
13. **How do you delete a record from an SQLite table?**
14. **What is the role of SQLite in mobile applications?**
15. **What is an SQLite connection?**
16. **How do you open an SQLite database connection in Android?**
17. **Mention two advantages of using SQLite in mobile applications.**
18. **What command is used to check the structure of a table in SQLite?**
19. **What is the difference between SQLite and a traditional client-server database?**
20. **How can you close an SQLite database connection?**

13 Mark Questions

1. **Explain the architecture and key features of SQLite.**
2. **Discuss the advantages and disadvantages of using SQLite as a database.**
3. **Explain the step-by-step process of creating and connecting an SQLite database in Android.**
4. **How does SQLite handle transactions? Explain with examples.**
5. **Describe the process of executing CRUD (Create, Read, Update, Delete) operations in SQLite.**
6. **How does SQLite store data internally, and what are the storage classes used?**
7. **Compare SQLite with MySQL and PostgreSQL in terms of performance, scalability, and usage.**
8. **Explain how SQLite is used in mobile applications for data storage.**
9. **What are SQLite constraints? Explain different types with examples.**
10. **Discuss the role of SQLite in offline applications and synchronization with online databases.**

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14 Mark Questions

1. **Explain in detail how SQLite works and its key benefits for mobile and embedded applications.**
2. **How do you set up and connect an SQLite database in Android? Provide code examples.**
3. **Discuss different data types supported in SQLite and their usage.**
4. **How do transactions work in SQLite? Explain ACID properties with examples.**
5. **Explain SQLite indexing and its impact on query performance.**
6. **How does SQLite handle database locking and concurrency?**
7. **Discuss different SQLite storage techniques and how they affect performance.**
8. **What are the best practices for optimizing SQLite database performance?**
9. **Explain the step-by-step process of backing up and restoring an SQLite database.**

10. **Describe how to integrate SQLite with a web application and sync with a cloud database.**