

Module-5 Concurrency Control & NOSQL DB & Big data storage

1. Explain shared and Exclusive locks with examples & code.
2. Demonstrate Two phase locking protocol used for Concurrency Control.
3. Demonstrate the Concurrency Control based on Timestamp Ordering.
4. When deadlock and starvation problem occurs? Explain how these problems are resolved.
5. Explain Multiversion Concurrency Control Techniques
6. Explain Multiple Granularity Level locking.

Chapter NOSQL DB

7. What is NOSQL? Explain CAP Theorem.
8. Demonstrate characteristics of NOSQL system.
9. What are document based NOSQL system? Explain basic operations CRUD in MongoDB
10. Explain NOSQL graph database and Neo4J

Note:

Study Q no 7, 8, 9, 10 for external VTU.
- exams