| Topic | Recommended Video (Primary) | Timestamp(s) | Why/Remarks |
|---|---|---|---|
| Introduction, What is DBMS | Love Babbar & Knowledge Gate | 00:01:35 (LB), 00:00 (KG) | Use either; short intro, basic Qs [1] [2]. |
| DBMS Architecture, DBA Roles | Knowledge Gate (detailed) | 02:20–21:56 (KG) | Thorough explanation, revisit briefly LB. |
| ER Model Basics (entities, attributes) | Knowledge Gate | 21:56–50:08 (KG) | Stepwise, classic interview content [1] [2]. |
| Extended ER, ER Diagrams (design) | Love Babbar (for practicality) | 02:50:09, 03:20:02 (LB) | For system design rounds, see Facebook ER. |
| Functional Dependency, Keys | Knowledge Gate | 50:08–1:38:28 (KG) | FD, keys, closure, ALL must-know Qs [1] [2]. |
| Normalization (1NF–BCNF, 4NF) | Knowledge Gate | 1:38:28–2:19:32 (KG) | Deep, example-based —priority! |
| ER Model to Relational Model | Knowledge Gate | 21:56–50:08 (KG) | Classic short questions [1] [2]. |
| Relational Model, SQL Implementation | Knowledge Gate | 2:49:08–4:07:54 (KG) | All query syntax, joins, basic ops. |
| Indexing (B-tree, Hashing, etc.) | Knowledge Gate | 2:19:32–2:49:08 (KG) | Well explained for MCQ/tech Qs. |
| ACID Properties, Transactions | Knowledge Gate | 4:22:28–5:01:02 (KG) | Full coverage with scenarios [1] [2]. |
| Concurrency Control, Deadlocks | Knowledge Gate | 5:01:02–5:33:30 (KG) | GATE/company focus; skip deep math. |
| SQL Queries and Practice | Knowledge Gate | 3:14:00–4:07:54 (KG) | Always prioritized for SQL coding rounds. |
| Advanced: NoSQL vs SQL | Love Babbar | 08:26:58 (LB) | Quick watch for product/modern interviews. |
| Clustering, Replication, Partitioning | Love Babbar | 10:07:49, 10:24:07 (LB) | Useful for system design/real-world Qs [1]. |
| CAP Theorem, Master-Slave, Sharding | Love Babbar | 10:55:30, 11:18:22 (LB) | Priority for SDE-2+ / system design. |
| System Design (ER for Apps e.g. Facebook) | Love Babbar | 03:45:59 (LB) | Only if targeting advanced rounds/startups. |