

important topics:

Why do we need DBMS	<a href="https://www.youtube.com/watch?v=T7AxM7Vqvaw">https://www.youtube.com/watch?v=T7AxM7Vqvaw</a>
File management system vs DBMS	<a href="https://www.youtube.com/watch?v=ZtVw2iuFI2w">https://www.youtube.com/watch?v=ZtVw2iuFI2w</a>
Data abstraction	<a href="https://www.youtube.com/watch?v=5fs1ldO6B5c">https://www.youtube.com/watch?v=5fs1ldO6B5c</a>
ER model, relational model	<a href="https://www.youtube.com/watch?v=VJUk- CsqKw">https://www.youtube.com/watch?v=VJUk- CsqKw</a> <a href="https://www.youtube.com/watch?v=UWNOchMUh8U">https://www.youtube.com/watch?v=UWNOchMUh8U</a>

SQL and important keywords used	Already done
SQL queries	Already done
Joins and its types	Already done
Views	<a href="https://www.youtube.com/watch?v=8jU8SrAPn9c">https://www.youtube.com/watch?v=8jU8SrAPn9c</a>
Indexing	<a href="https://www.youtube.com/watch?v=fsG1XaZEa78">https://www.youtube.com/watch?v=fsG1XaZEa78</a> sanchit jain

Normalization basic definitions and usage Sanchit jain

Transactions (Lock based protocol for concurrency control)

ACID properties

<https://www.youtube.com/watch?v=75T6muWuEFI&list=PLbKVInc3OmnwG-2-EeoheUZxBHwJhRaZ->

SQL vs NoSQL [https://www.youtube.com/watch?v=ZS\\_kXvOeQ5Y](https://www.youtube.com/watch?v=ZS_kXvOeQ5Y)

Deadlock in DBMS

Starvation

[https://youtu.be/Y80mas3B62M?list=RDCMUC-x\\_kRNcl1102UR5SmXOrpg](https://youtu.be/Y80mas3B62M?list=RDCMUC-x_kRNcl1102UR5SmXOrpg)

[https://www.youtube.com/watch?v=loe4ERAI\\_3o](https://www.youtube.com/watch?v=loe4ERAI_3o)

**Questions on what database to be used**

**Scaling in databases**

**Cache and in-memory database**

Also, practice standard interview questions from:

Most Standard topics : SQL queries, Normalization, transactions

[<https://prepinsta.com/database-management-system-dbms/>] Revision:

<https://www.geeksforgeeks.org/last-minute-notes-dbms/>

Interview questions:

<https://www.geeksforgeeks.org/commonly-asked-dbms-interview-questions/>

<https://www.geeksforgeeks.org/commonly-asked-dbms-interview-questions-set-2/>

DonneMartin book:

<https://github.com/donnemartin/system-design-primer#database>