

TOPIC FOR THE DAY: DATABASE MANAGEMENT SYSTEM

- 1) What is meant by normalization? Explain with an example.
- 2) What is BCNF stand for? (Boyce Code Normal Form)
- 3) Why do you have to normalize?
- 4) Explain the difference between primary key, composite key, foreign key with example.
- 5) Explain with an example left inner join and right outer join.
- 6) When will you use joins?
- 7) How will you write a query which will select 3 columns from table 1, 2 columns from table 2
- 8) What is the difference between RDBMS and NOSQL databases?
- 9) What is the difference between big data and normal databases?
- 10) What is DDL, DML, DCL. Explain each one with 2 commands.
- 11) What is meant by a view?
- 12) What is meant by a sub-query?
- 13) What is a trigger?
- 14) What is the difference between drop, truncate and delete SQL commands?
- 15) What is commit and roll-back?
- 16) Explain the concept of ACID properties in a database?
- 17) What is meant by an E-R model?
- 18) What is meant by 3NF? Show with an example.
- 19) Name the 4 types of joins in SQL
- 20) What are the different types of relationships in RDBMS?
- 21) Explain with an example the difference between Left inner join and right outer join
- 22) Show with an example the use of composite key
- 23) What is the difference between NOSQL DBs and SQL databases
- 24) Why is Mongo DB popular
- 25) Explain the DB structure used in your project. Draw an ER diagram for the same