PARUL INSTITUTE OF ENGINEERING & TECHNOLOGY

FACULTY OF ENGINEERING AND TECHNOLOGY

Assignment for Detain students

Subject: DBMS(303105203)

1. What is a Database and DBMS?
2. What is a Database Management System and how is it different from a File System?
3. What is the difference between RDBMS and DBMS?
4. What is Data Model in DBMS and what are its types?
5. What is Data Abstraction in DBMS and what are its three levels?
6. What is Data integrity?
7. What is Relational Algebra?
8. What is a Schema?
9. What is an E-R model?
10. What is an Entity, Entity type, and Entity set?
11. Differentiate between weak and strong entity.
12. What are the different types of relationships in DBMS?
13. What is the degree of relation in DBMS?
14. What is an attribute?
15. What is Normalization in DBMS?
16. What is Denormalization in DBMS?
17. What is Specialization in DBMS?
18. What is Generalization in DBMS?
19. What is SQL?
20. What is the difference between SQL and MySQL?
21. What is an embedded and dynamic SQL?
22. What is the difference between SQL and NoSQL?
23. What is the difference between SQL and SQL Server?
24. What are the different types of SQL commands?
25. .
26. What are various types of constraints in SQL?
27. What are Super key, Primary key, Candidate key, and Foreign keys?
28. What is the difference between Primary key and Unique key?
29. What is a Query and Subquery in DBMS?
30. What is Query optimization?
31. What is the difference between TRUNCATE, DELETE, and DROP statement?

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32. What are aggregate functions?
33. What are scalar functions?
34. What is Join in DBMS and what are its types?
35. What is Self-join in DBMS?
36. What is Cross-join in DBMS?
37. What are UNION, MINUS, and INTERSECT commands in DBMS?
38. What is pattern matching in SQL and how it is done?