# DBMS ASSIGNMENT 1

1. Explain Database, DBMS, and Metadata.
2. Explain different types of Databases.
3. What are the advantages of DBMS?
4. Explain the DB System environment.
5. List the limitations/disadvantages of DBMS.
6. What are the problems with File system data management?
7. List and explain the functions and capabilities of DBMS.
8. Explain in detail the components of the DB system environment.
9. List and explain various DML, and DDL commands in SQL.
10. List and explain SQL Logical Operators.
11. Explain Special Operators.
12. What is the use of foreign key constraint with an example

# DBMS ASSIGNMENT 2

1. Describe about Data Models and explain E-R model.
2. Define Instance and Domain?
3. What is an Entity? Explain different type of Entities.
4. What is an Attribute? Explain different types of Attributes.
5. Explain Recursive Relationship with example.
6. Explain Degree of Relationship and its types
7. What are the basic constructs of ER model?
8. Distinguish between simple and composite attributes.
9. Explain Order by, Group by and Having Clauses with example.
10. What are Views in SQL? Give an example
11. Explain Aggregate functions with examples
12. Explain in brief about Subqueries and Correlated queries.
13. What is a Join? Discuss about various joins used in SQL.
14. List and explain SQL Relational Set Operators.
15. What is the use of DISTINCT keyword in SQL

# DBMS ASSIGNMENT 3

1. List out Codd's Relational Database rules.
2. Explain 1NF, 2NF. Database Management System
3. Explain 3NF and BCNF
 4. What is Primary Key? Explain some desirable Primary Key characteristics.
5. Explain the usage of the Composite Primary key with an example.
6. What is Normalization? Explain it.
7. What is Denormalization?
8. Define Functional Dependency.
9. Define the term Data Dictionary.
10. Define data redundancy

# DBMS ASSIGNMENT 4

## (MongoDB)

1. What are NoSQL databases?
2. What are the different types of NoSQL databases?
3. What kind of NoSQL database MongoDB is?
4. Which are the most important features of MongoDB?
5. What is a Namespace in MongoDB?
6. Which all languages can be used with MongoDB?
7. Compare SQL databases and MongoDB at a high level.How is MongoDB better than other SQL databases?
8. Compare MongoDB and CouchDB at high level.Does MongoDB support foreign key constraints?
9. How can you achieve primary key - foreign key relationships in MongoDB?