1) Discuss with neat diagram three schema Architecture.

2) Analyze various schema based constraints Applied on relational model with an appropriate examples

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4) Analyze the file oriented approach with database approach.

5) Describe the different data types in SQL.

6)Analyze various schema based constraints Applied on relational model with an appropriate examples

7) Draw an E-R diagram for an insurance company. Apply suitable entity types Like CUSTOMER, AGENT, BRANCH, POLICY, PAYMENT and the relationship between them

8)Using the E-R notations write an E-R diagram for university data base, Consider minimum five entities and indicate cardinality ratio.

9) Analyze various set operations which can be performed in SQL with an example for each

10) Differentiate the various types of join operations with examples

11) Discuss the various types of end users who use DBMS

12)Explain the role of a high-level conceptual data model in the data base design process

13) Consider the following Relational database schema

passenger (pid, pname, pgender, pcity)

agency (aid, aname, acity)

flight (fid, fdate, time, src, dest)

booking (pid, aid, fid, fdate)

Apply the relation algebra operations for the following queries

i) Get the complete details of all flights to New Delhi.

ii) Find the passenger names for passengers who have bookings on at least one flight

ii)Find the passenger names for those who do not have any bookings in any flights

14) Consider the following relation schema

Supplier(Sid, Sname, address)
Parts(Pid, Pname, color)
Catalog(Sid, Pid, cost)
Use relation algebra operations for the following queries.

i)Find the names of suppliers who supply some red part.

ii)Find the Pid of parts supplied by at least two different suppliers

iii)Find the IDs of suppliers who supply some red or green part.