RELATIONAL DATABASE CONCEPTS

ASSIGNMENTS

1. What is database?
2. What is dbms?
3. What is RDBMS?
4. What is database system?
5. What is data model?
6. What are these?
   a. Tuple
   b. Relation
   c. Attribute
   d. Entity
   e. Cardinality
   f. Degree
7. A table "Transport" in a database has degree 3 and cardinality 8. What is the number of rows and columns in it?
8. Differentiate between Alternate key and Candidate key.
9. What is the difference between primary and foreign key?
10. A table STUDENT has 4 rows and 2 columns and another table TEACHER has 3 row and 4 columns. How many rows and columns will be there if we obtain the Cartesian product of these two tables?
11. Mr. Sanghi created two tables with CITY as Primary key in Table1 and Foreign Key in Table2. While inserting a row in Table2, Mr. Sanghi is not able to enter a value in the column CITY. What could be the possible reason for it?
12. Table STUDENT has 4 rows and 2 columns. Table MARKS has 2 rows and 3 columns. How will be the cardinality and degree of the Cartesian product of STUDENT and MARKS?
13. Give two characteristics of Primary key?
14. A table FUNFOOD has 13 rows and 17 columns. What is the cardinality and degree of this table?
15. How is primary key constraint different from Unique key constraints?
16. How is a database related to a table ?

17. Table SCHOOL has 4 rows and 5 columns. What is the Cardinality and Degree of this table?

18. Mr. James created a table CLIENT with 2 rows and 4 columns. He added 2 more rows to it and deleted one column. What is the Cardinality and Degree of the Table CLIENT?.