

DBMS Lab Sheet-1

Introduction to DBMS and ORACLE

1. What is Data? What is a Database?
2. What is DBMS?
3. What is *Relational data model*?
4. What is RDBMS?
5. Discuss the terms- *relation* (table) , *tuple* (row), *primary key* etc.
6. What is Oracle and why it is RDBMS?
7. How we store data in Oracle?
8. What is *structure* (schema) of a table(relation).
9. What is a constraint and What is PK.
10. What is SQL
11. Introduction to DDL(create/alter/drop) and DML(select/delete/insert/update)

Try the following:

1. Show how to log onto Oracle through Windows command prompt.
2. Select * from tab; // tell what it is
3. Show how to select only few columns.
4. Discuss SELECT , FROM, WHERE clauses in SQL query.
5. DESC <table>; // describing the structure of a table

Now attempt creating a table with following structure:

Student (sid int, name varchar(10), age int);

Insert following 4 records in to student table:

<101, KIRAN, 21>
<107, BHARAT, 19>
<121, DAVID, 24>
<125, MOHAN, 21>

Try few simple queries on this table.

1. Get id and name of students
2. Get age of a student by name- BHARAT