SQL commands

1. create table

create table table\_name(colName1 datatype(size), colName2 datatype(size).......);

2. delete table

drop table table\_name;

3. check all existing tables in particular database.

select table\_Name from tabs;

------------------------------------------------------

4. Describe table( to show colnames , datatypes, size, contraints)

desc tableName;

-----------------------------------------------------

5. add new column in existing table

alter table tableName add (colName1 datype(size), colName2 datatype(size),......);

6. to delete column from table

alter table tablename drop column columnname;

-----------------------------------------------------

7. modify column ( modify datatype or size)

alter table tableNmae modify colName newDatatype(newSize);

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8. How to insert values in table

insert into tableName (colName1, colName2, colName3----) values(value1, value2, value3..);

insert into tableName values(all values must be, value must be in same seq as in table);

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9. how to show the records/tuple/rows from table

select colName1, colName2, colName3......... from tableName;

// to show all col

select \* from tableName;

**Implement SQL commands**

**Prerequisite: -**

**Step 1: - Install Oracle 11g/10g & Unlock SCOTT during the installation process.**

**Step 2: - Open cmd (command prompt)**

Microsoft Windows [Version 10.0.17763.1217]

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C:\Users\Manu Bhardwaj>sqlplus/nolog

SQL\*Plus: Release 10.2.0.3.0 - Production on Sun Aug 30 15:40:06 2020

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SQL> connect

Enter user-name: scott

Enter password:

Connected.

SQL> create table student(name varchar2(12));

Table created.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

NAME VARCHAR2(12)

SQL> drop table student;

Table dropped.

SQL> desc student;

ERROR:

ORA-04043: object student does not exist

SQL> create table student(sno number(2),name varchar2(5),address varchar2(3),mobileno number(10));

Table created.

SQL> desc student

Name Null? Type

----------------------------------------- -------- ----------------------------

SNO NUMBER(2)

NAME VARCHAR2(5)

ADDRESS VARCHAR2(3)

MOBILENO NUMBER(10)

SQL> alter table student add(address2 varchar2(3));

Table altered.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

SNO NUMBER(2)

NAME VARCHAR2(5)

ADDRESS VARCHAR2(3)

MOBILENO NUMBER(10)

ADDRESS2 VARCHAR2(3)

SQL> alter table student drop column address2;

Table altered.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

SNO NUMBER(2)

NAME VARCHAR2(5)

ADDRESS VARCHAR2(3)

MOBILENO NUMBER(10)

SQL> alter table student modify address number(10);

Table altered.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

SNO NUMBER(2)

NAME VARCHAR2(5)

ADDRESS NUMBER(10)

MOBILENO NUMBER(10)

SQL> alter table student modify address varchar2(3);

Table altered.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

SNO NUMBER(2)

NAME VARCHAR2(5)

ADDRESS VARCHAR2(3)

MOBILENO NUMBER(10)

SQL> insert into student(sno,name,address,mobileno)

2 values(1,'xyz','zxy',1123344553);

1 row created.

SQL> insert into student values(2,'zxy','lll',123344444);

1 row created.

SQL> select sno,name,address,mobileno from student;

SNO NAME ADD MOBILENO

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1 xyz zxy 1123344553

2 zxy lll 123344444

SQL> select sno,name from student;

SNO NAME

---------- -----

1 xyz

2 zxy

SQL> select \* from student;

SNO NAME ADD MOBILENO

---------- ----- --- ----------

1 xyz zxy 1123344553

2 zxy lll 123344444