

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, constraints)

```
desc tableName;
```

5. add new column in existing table

```
alter table tableName add (colName1 datatype(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);
```

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);
```

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

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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),mobilenumber(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','III',123344444);
```

1 row created.

```
SQL> select sno,name,address,mobilenos from student;
```

SNO	NAME	ADD	MOBILENO
-----	------	-----	----------

1	xyz	zxy	1123344553
2	zxy	III	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	III	123344444