

18CSC303J/ DBMS

Submitted By:- ANANNYA P. NEOG (RA1911003010367)

Exp-1: SQL BASIC COMMANDS

Aim:- To write SQL queries to execute basic SQL commands.

Procedure:-

QUERIES:

1. Create table

Query:

```
CREATE TABLE emp
(
empno NUMBER,
empname VARCHAR2(255),
DOB DATE,
salary NUMBER,
designation VARCHAR2(20)
);
```

Output:

Table created.

2. Insert values

Query:

```
INSERT INTO emp VALUES(100,'John','4.21.1994', 50000,'Manager');
INSERT INTO emp VALUES(101,'Greg','6.20.1994',25000,'Clerk');
```

Output:

2 rows inserted

3. Display values

Query:

```
SELECT * FROM emp;
```

Output:

EMPNO	EMPNAME DOB	SALARY DESIGNATION
100	John04/21/1994	50000 Manager
101	Greg06/20/1994	25000 Clerk

Query:

```
SELECT empname,salary FROM emp;
```

Output:

EMPNAME	SALARY
John	50000
Greg	25000

4. Modify values**Query:**

```
UPDATE emp SET salary = salary + 1000;
```

Output:

2 row(s) updated.

Query:

```
SELECT * FROM emp;
```

Output:

EMPNO	EMPNAME	DOB	SALARY DESIGNATION
100	John	04/21/19 94	51000 Manager
101	Greg	06/20/19 94	26000 Clerk

5. Delete values**Query:**

```
DELETE FROM emp WHERE empno = 100;
```

Output:

1 row(s) deleted.

Query:

```
SELECT * FROM emp;
```

Output:

EMPNO	EMPNAME	DOB	SALARY DESIGNATION
101	Greg	06/20/1994	26000 Clerk

Execution:-

SQL*Plus: Release 11.2.0.4.0 Production on Wed Feb 9 15:22:05 2022

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Enter user-name: **RA1911003010367/RA1911003010367@f1-drjebakumar.co86hfjmfjx.us-west-2.rds.amazonaws.com:1521/F1**

Connected to:

Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production

SQL> **create table stud(regno number(10), name varchar2(50));**

Table created.

SQL> **desc stud;**

Name	Null?	Type
REGNO		NUMBER(10)
NAME		VARCHAR2(50)

SQL> **drop table stud;**

Table dropped.

SQL> **create table stud(regno number(10), name varchar2(50));**

Table created.

SQL> insert into stud values(101, 'Raja');

ERROR:

ORA-01756: quoted string not properly terminated

SQL> insert into stud values(101, 'raja');

ERROR:

ORA-01756: quoted string not properly terminated

SQL> **insert into stud values(101,'Raja');**

1 row created.

SQL> **insert into stud values(101,'Rani');**

1 row created.

SQL> **select * from stud;**

REGNO	NAME
101	Raja
101	Rani

SQL> **select regno from stud;**

REGNO
101
101

SQL> **desc stud;**

Name	Null?	Type
REGNO		NUMBER(10)
NAME		VARCHAR2(50)

SQL> **spool sample.lst**

SQL> **desc stud**

Name	Null?	Type
REGNO		NUMBER(10)
NAME		VARCHAR2(50)

SQL> **select * from stud**

2

SQL> **spool off**

SQL> **edit sample.lst**

SQL>

SQL>

SQL>

SQL> reg

SP2-0042: unknown command "reg" - rest of line ignored.

SQL>

SQL>

SQL>

SQL>

SQL>

SQL> **select * from stud;**

REGNO NAME
101 Raja
101 Rani

SQL> **spool off**

not spooling currently

SQL> **edit sample.lst**

SQL> **spool off**

not spooling currently

SQL>

SQL*Plus: Release 11.2.0.4.0 Production on Wed Feb 9 15:22:05 2022

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NAME		VARCHAR2(50)

SQL> drop table stud;

Table dropped.

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ERROR:

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SQL> insert into stud values(101,'Raja');

1 row created.

SQL> insert into stud values(101,'Rani');

1 row created.

SQL> select * from stud;

SQL> select * from stud;

REGNO	NAME
101	Raja
101	Rani

SQL> select regno from stud;

REGNO
101
101

SQL> desc stud;

Name	Null?	Type
REGNO		NUMBER(10)
NAME		VARCHAR2(50)

SQL> spool sample.lst

SQL> desc stud

Name	Null?	Type
REGNO		NUMBER(10)
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SQL> edit sample.lst

SQL>

SQL>

SQL>

SQL> reg

SP2-0042: unknown command "reg" - rest of line ignored.

SQL>

SQL>

SQL>

SQL>

SQL>

SQL> select * from stud;

REGNO	NAME
101	Raja
101	Rani

SQL> spool off

not spooling currently

SQL> edit sample.lst

SQL> spool off

not spooling currently

SQL>

```
sample.lst - Notepad
File Edit Format View Help
SQL> desc stud
Name                               Null?   Type
-----
REGNO                             NUMBER(10)
NAME                              VARCHAR2(50)

SQL> select * from stud
2
SQL> spool off
```

RESULT:

Thus the basic SQL queries were successfully executed and verified.