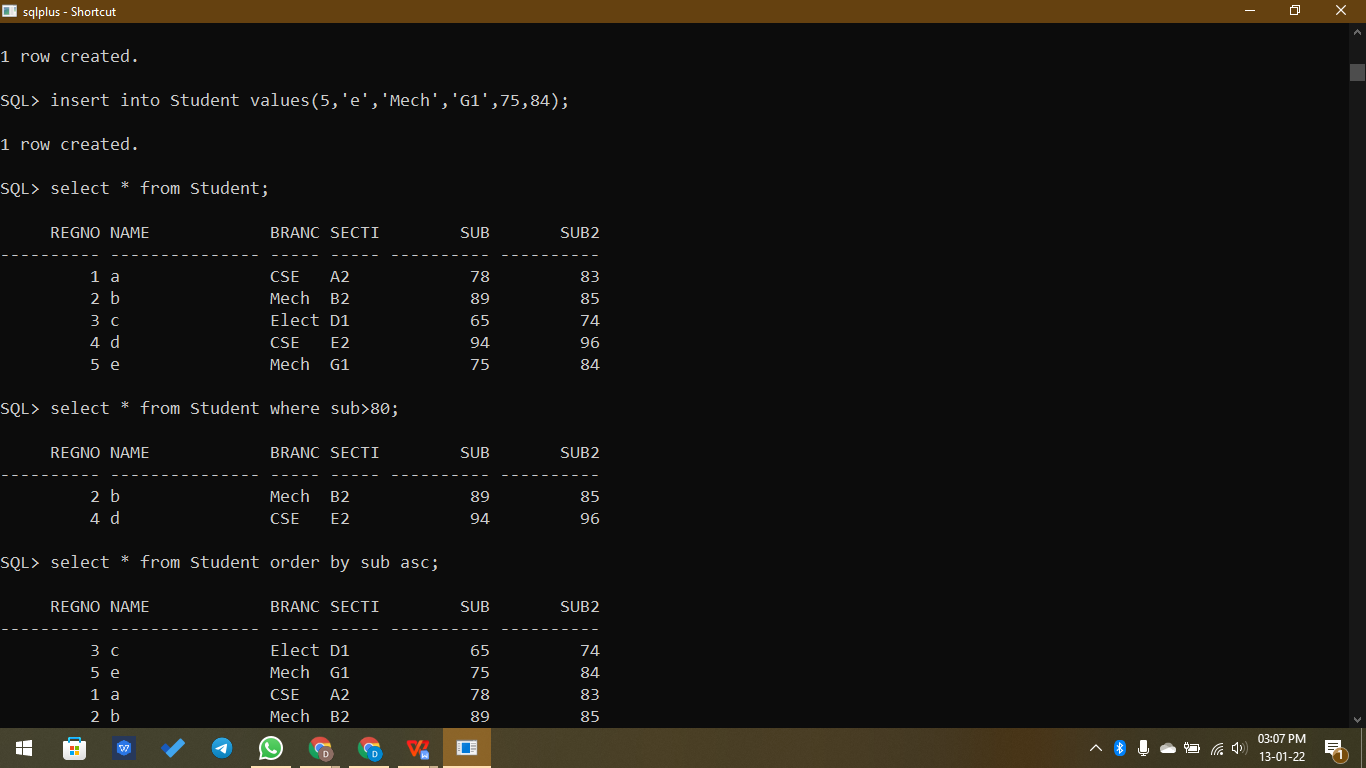
Ex. No: 2 SQL DDL COMMANDS

**Date: 13/01/22**

**AIM:** To write SQL queries to execute different DDL commands.

Data base created for this exercise is:



**DDL Commands:**

* **Create -** Used to create a table

**Syntax,**

**CREATE TABLE table\_name(field1 datatype1, field2 datatype2, …);**

Example,

SQL> create table student(id int, name varchar(20), marks int);

Table created.

* **Drop -** Used to drop the table

**Syntax,**

**DROP TABLE table\_name;**

Example,

SQL> drop table student\_details;

Table dropped.

* **Alter -** Used to alter the table (add/delete/modify column, rename the table)

**Syntax,**

**ALTER TABLE table\_name add column\_name datatype;**

**ALTER TABLE table\_name drop(column\_name);**

**ALTER TABLE table\_name modify column\_name datatype;**

**ALTER TABLE table\_name rename to new\_table\_name;**

Example,

SQL> alter table student add branch varchar(5);

Table altered.

SQL> alter table student drop (branch);

Table altered.

SQL> alter table student modify name varchar(50);

Table altered.

SQL> alter table student rename to student\_details;

Table altered.

SQL> create table student(id int, name varchar(20), marks int);

Table created.

SQL> insert into student values(1,'a',96);

1 row created.

SQL> insert into student values(2,'b',90);

1 row created.

SQL> insert into student values(3,'c',75);

1 row created.

SQL> insert into student values(4,'d',87);

1 row created.

SQL> insert into student values(5,'e',99);

1 row created.

SQL> select \* from student;

ID NAME MARKS

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1 a 96

2 b 90

3 c 75

4 d 87

5 e 99

SQL> alter table student add branch varchar(5);

Table altered.

SQL> select \* from student;

ID NAME MARKS BRANC

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1 a 96

2 b 90

3 c 75

4 d 87

5 e 99

SQL> alter table student drop branch;

alter table student drop branch

\*

ERROR at line 1:

ORA-00905: missing keyword

SQL> alter table student drop (branch);

Table altered.

SQL> select \* from student;

ID NAME MARKS

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

1 a 96

2 b 90

3 c 75

4 d 87

5 e 99

SQL> describe student;

Name Null? Type

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ID NUMBER(38)

NAME VARCHAR2(20)

MARKS NUMBER(38)

SQL> alter table student modify name varchar(50);

Table altered.

SQL> describe student;

Name Null? Type

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

ID NUMBER(38)

NAME VARCHAR2(50)

MARKS NUMBER(38)

SQL> alter table student rename to student\_details;

Table altered.

SQL> select \* from student\_details;

ID NAME MARKS

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

1 a 96

2 b 90

3 c 75

4 d 87

5 e 99

SQL> drop table student;

drop table student

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> drop table student\_details;

Table dropped.

SQL> spool off

**Result:**

Thus the DDL commands are used to modify or manipulate data records present in the customer database tables.