

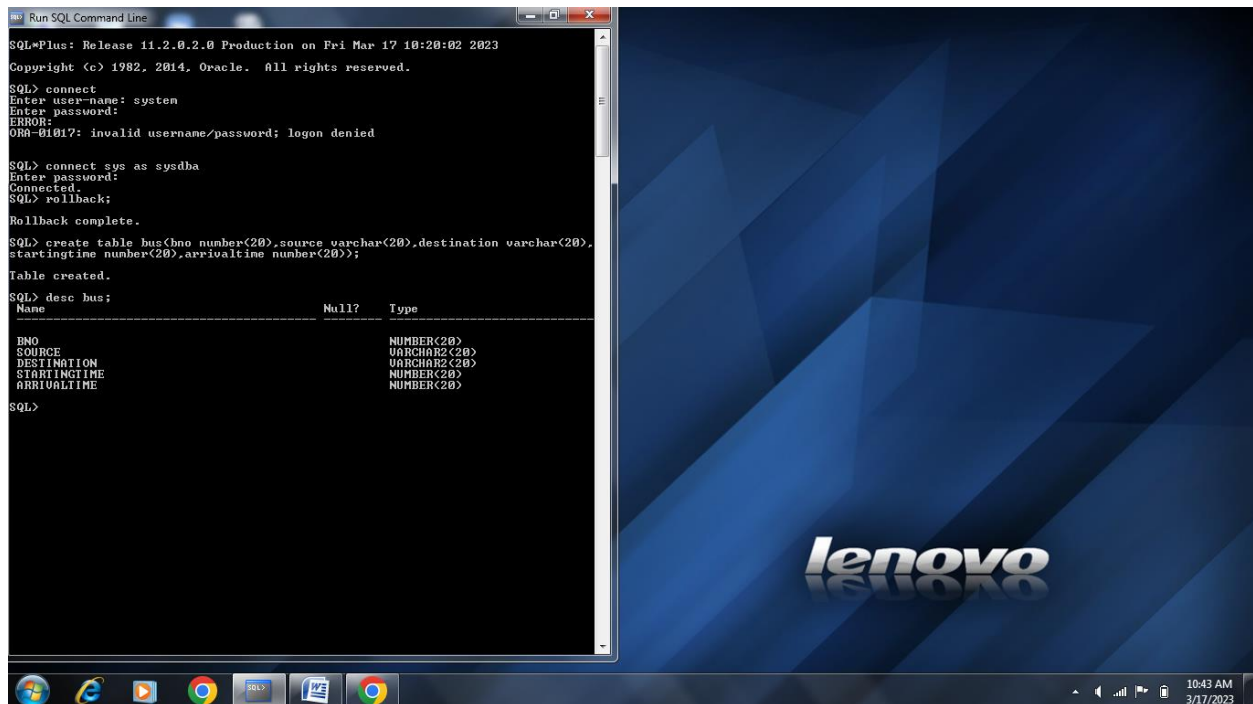
DATA BASE MANAGEMENT SYSTEMS LAB

3.AIM OF THE EXPERIMENT: To practice DDL commands for create table for roadway travels

DESCRIPTION: Data Definition Language(DDL) is a subset of SQL and a part of DBMS(Database Management System). DDL consist of Commands to commands like CREATE, ALTER, TRUNCATE and DROP. These commands are used to create or modify the tables in SQL.

SOURCE CODE:

create table bus(bno number(20),source varchar(20),destination varchar(20),startingtime number(10), arrivaltime number(10));



```
Run SQL Command Line
SQL*Plus: Release 11.2.0.2.0 Production on Fri Mar 17 10:20:02 2023
Copyright (c) 1982, 2014, Oracle. All rights reserved.

SQL> connect
Enter user-name: system
Enter password:
ERROR:
ORA-01017: invalid username/password; logon denied

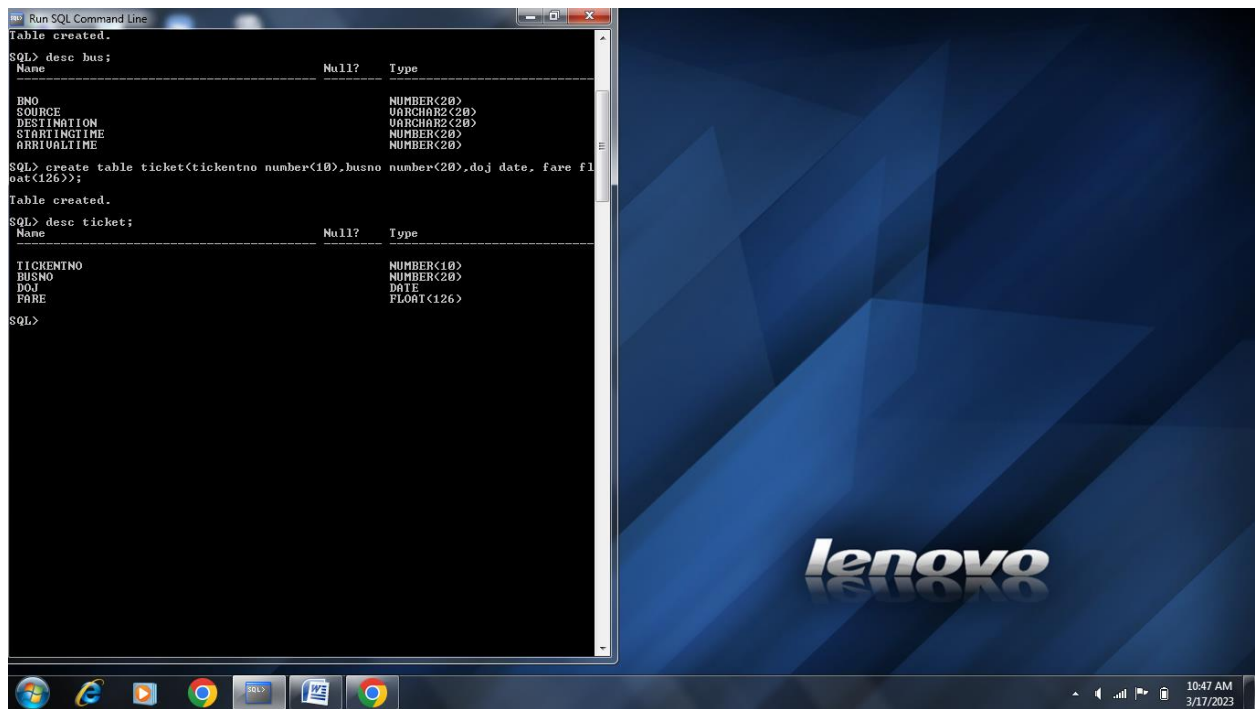
SQL> connect sys as sysdba
Enter password:
Connected.
SQL> rollback;
Rollback complete.

SQL> create table bus(bno number(20),source varchar(20),destination varchar(20),
startingtime number(20),arrivaltime number(20));
Table created.

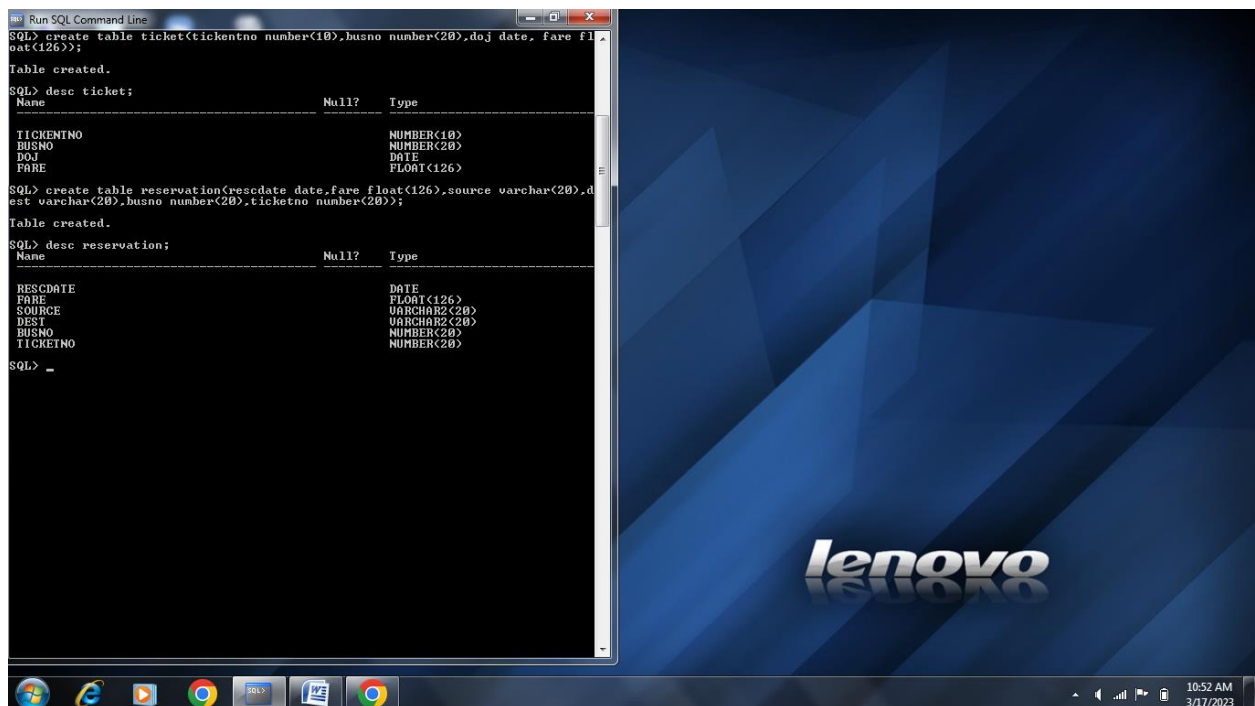
SQL> desc bus;
Name Null? Type
-----
BNO      NUMBER(20)
SOURCE   VARCHAR2(20)
DESTINATION VARCHAR2(20)
STARTINGTIME NUMBER(20)
ARRIVALTIME NUMBER(20)

SQL>
```

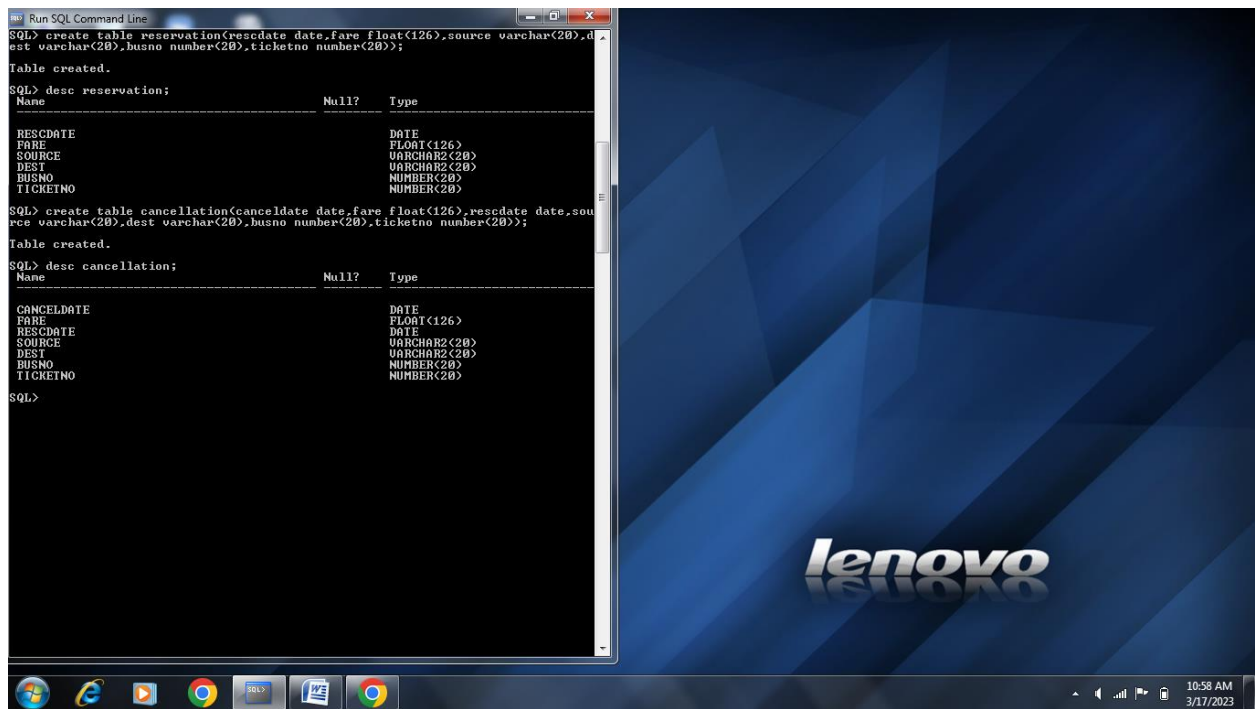
create table ticket(ticketno number(20),busno number(20),doj date,fare float(126));



create table reservation(rescdate date,fare float(126),source varchar(20),dest varchar(20),busno number(20),ticketno number(20));



create table cancellation(canceldate date,fare float(126),rescdate date,source varchar(20),dest varchar(20),busno number(20),ticketno number(20));

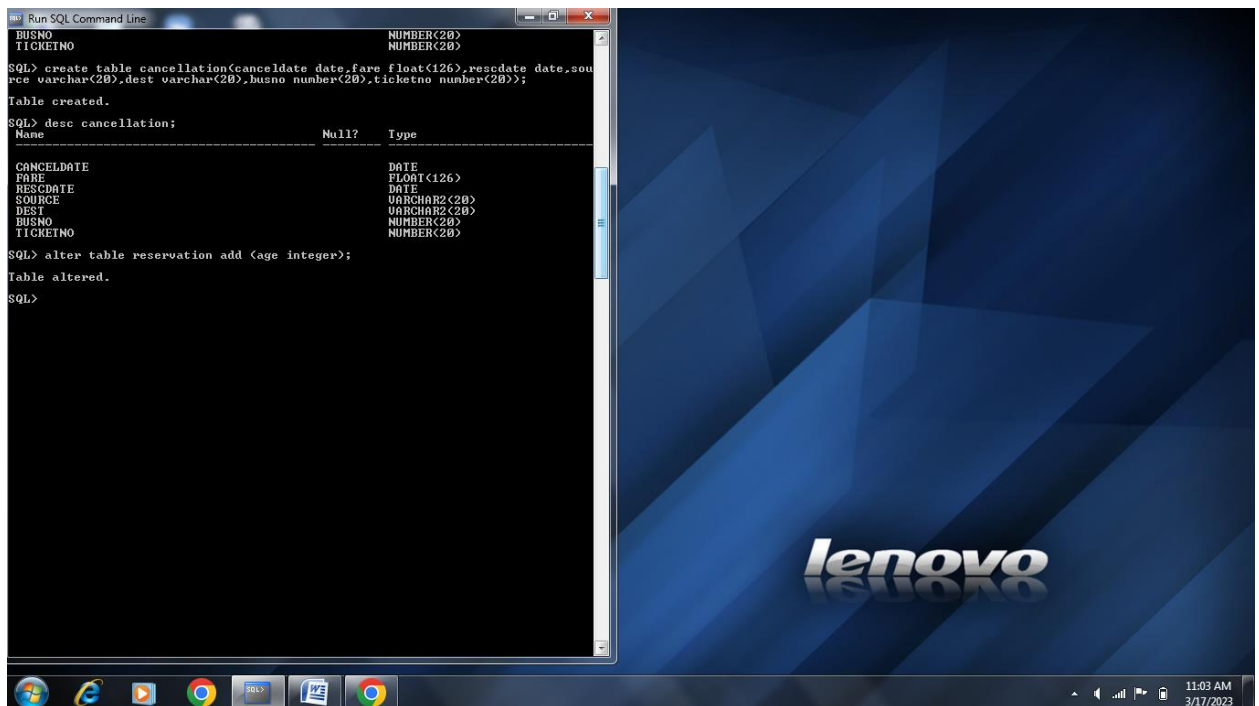


Alter Syntax

now to alter the table the command used is alter table table name add(values);

🛠️ Now alter the table reservation using command

SQL>alter table reservation add (age integer);



check the output

SQL>desc reservation;

```
Run SQL Command Line
Table created.
SQL> desc reservation;
      Name      Null?   Type
-----
RESCDATE       DATE
FARE           FLOAT(126)
SOURCE         VARCHAR2(20)
DEST           VARCHAR2(20)
BUSNO          NUMBER(20)
TICKETNO       NUMBER(20)

SQL> create table cancellation(canceldate date, fare float(126), rescdate date, source varchar(20), dest varchar(20), busno number(20), ticketno number(20));
Table created.
SQL> desc cancellation;
      Name      Null?   Type
-----
CANCELDATE     DATE
FARE           FLOAT(126)
RESCDATE       DATE
SOURCE         VARCHAR2(20)
DEST           VARCHAR2(20)
BUSNO          NUMBER(20)
TICKETNO       NUMBER(20)

SQL> alter table reservation add (age integer);
Table altered.
SQL> desc reservation;
      Name      Null?   Type
-----
RESCDATE       DATE
FARE           FLOAT(126)
SOURCE         VARCHAR2(20)
DEST           VARCHAR2(20)
BUSNO          NUMBER(20)
TICKETNO       NUMBER(20)
AGE            NUMBER(38)

SQL>
```

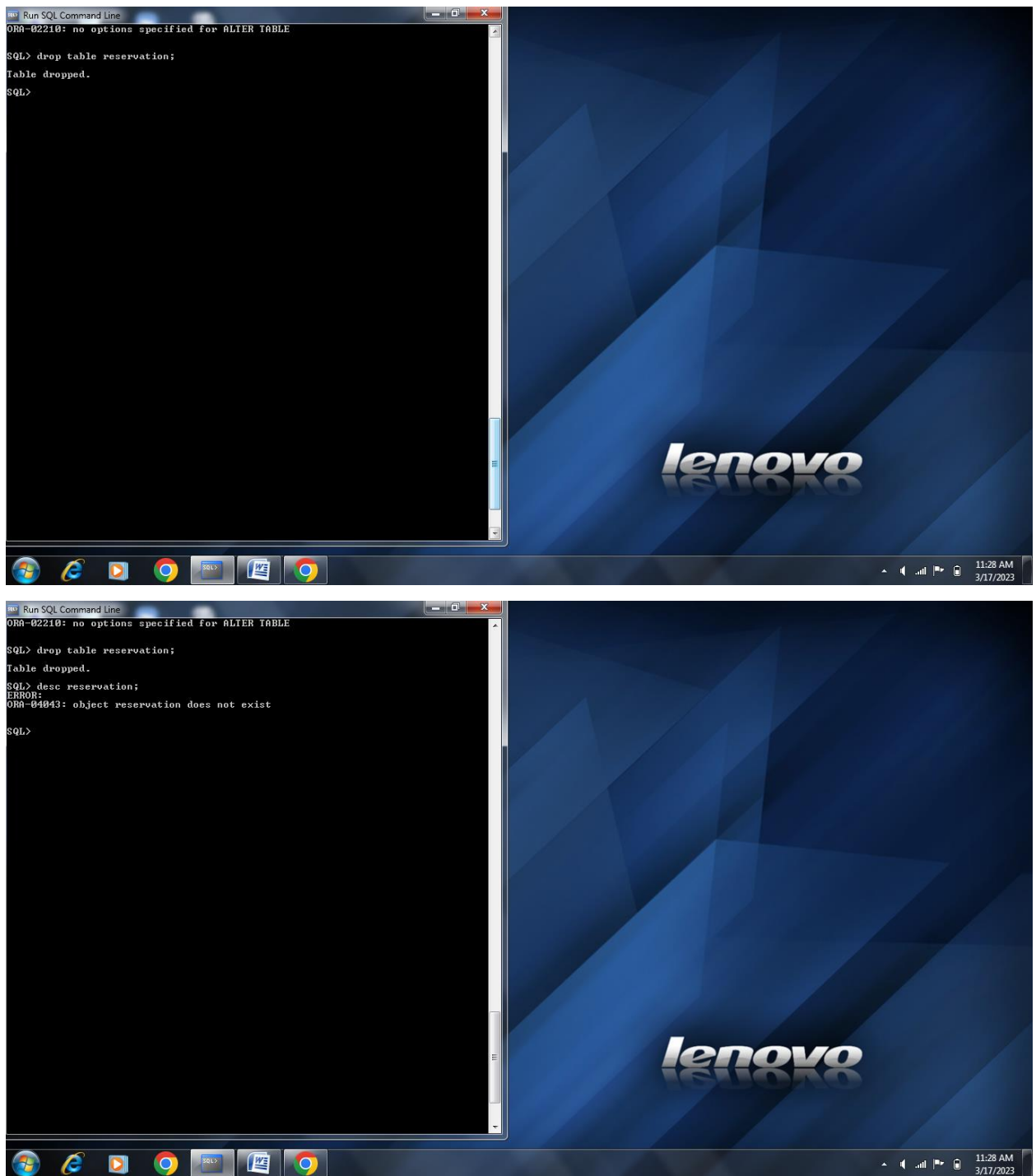
Drop Syntax :

To drop any particular column in SQL table the command used is

drop tablename;

Now write the command as

SQL> drop reservation;



Result: Hence Implementation of DDL commands are successfully applied.

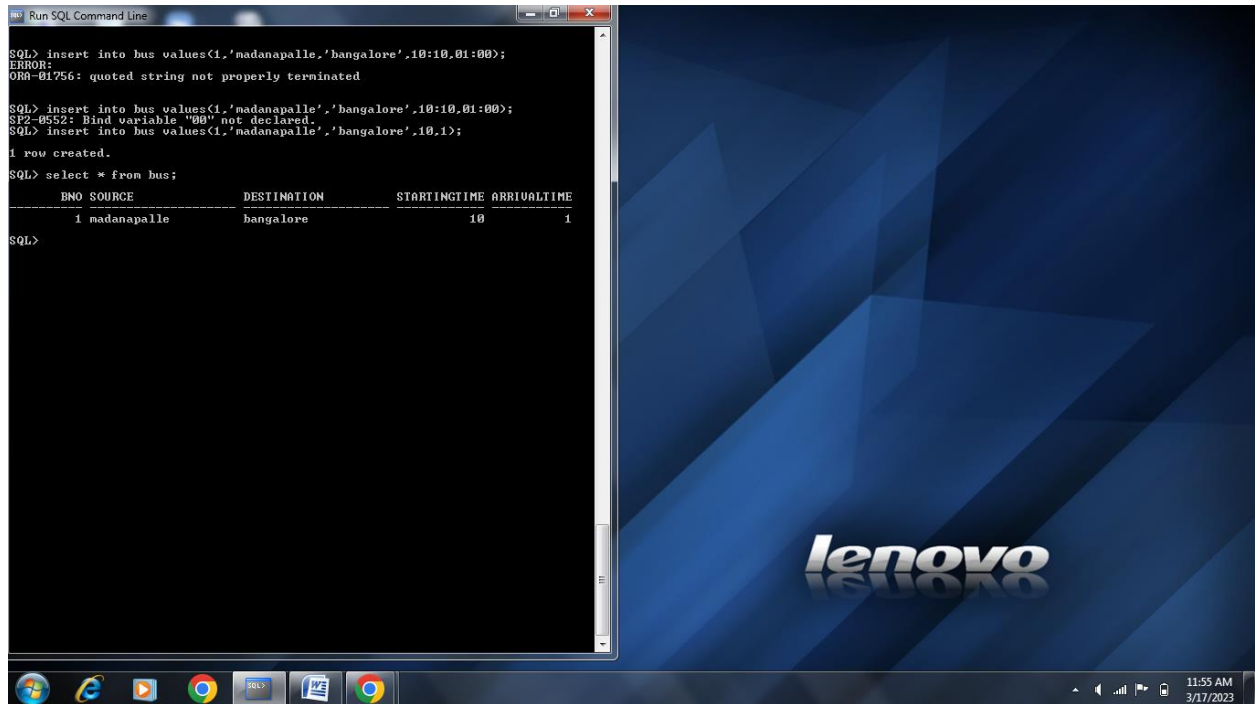
4.AIM OF THE EXPERIMENT: To implement DML commands for roadway travels.

Description: DML is an abbreviation of Data Manipulation Language. The DML commands in Structured Query Language change the data present in the SQL database.

Now access, store, modify, update and delete the existing records from the database using DML commands.

SOURCE CODE:

Insert into bus values(1,'madanapalle','bangalore',10:10,1:00);



The screenshot shows a Windows desktop with a blue geometric wallpaper featuring the 'lenovo' logo. A 'Run SQL Command Line' window is open, displaying the following SQL commands and their outputs:

```
SQL> insert into bus values(1,'madanapalle','bangalore',10:10,01:00);
ERROR:
ORA-01756: quoted string not properly terminated

SQL> insert into bus values(1,'madanapalle','bangalore',10:10,01:00);
SP2-0052: Bind variable "00" not declared.
SQL> insert into bus values(1,'madanapalle','bangalore',10,1);
1 row created.

SQL> select * from bus;
```

BNO	SOURCE	DESTINATION	STARTINGTIME	ARRIVALTIME
1	madanapalle	bangalore	10	1

The taskbar at the bottom shows icons for Windows, Edge, File Explorer, Google Chrome, and other applications. The system clock in the bottom right corner indicates 11:55 AM on 3/17/2023.

insert 10 records and write output.

insert into ticket values(12,6,18 mar 2023,180);


```

SQL> insert into bus values(1,'madanapalle','bangalore',10:10:00);
ERROR:
ORA-01756: quoted string not properly terminated

SQL> insert into bus values(1,'madanapalle','bangalore',10:10:00);
SP2-0552: Bind variable "00" not declared.
SQL> insert into bus values(1,'madanapalle','bangalore',10.1);
1 row created.

SQL> select * from bus;

```

BMSO	SOURCE	DESTINATION	STARTINGTIME	ARRIVALTIME
1	madanapalle	bangalore	10	1

```

SQL> insert into ticket values(12,6,18 mar 2023,180);
insert into ticket values(12,6,18 mar 2023,180)
*
ERROR at line 1:
ORA-00917: missing comma

SQL> insert into ticket values(12,6,'18mar2023',180);
1 row created.

SQL> select * from ticket values;
select * from ticket values
*
ERROR at line 1:
ORA-00933: SQL command not properly ended

SQL> select * from ticket;

```

TICKETNO	BUSNO	DOJ	FARE
12	6	18-MAR-23	180

```

SQL>

```

insert 10 records and write the output here.

insert into reservation values('10 mar 2023',180,'madanapalle','bangalore',8,21);

```

SQL> select * from ticket;

```

TICKETNO	BUSNO	DOJ	FARE
12	6	18-MAR-23	180

```

SQL> insert into reservation values('10 mar 2023',180,'madanapalle','bangalore',8,21);
insert into reservation values('10 mar 2023',180,'madanapalle','bangalore',8,21)
*
ERROR at line 1:
ORA-00942: table or view does not exist

SQL> create table reservation values(rescdte date, fare float(126), source varchar(20), dest varchar(20), busno number(20), ticketno number(20));
create table reservation values(rescdte date, fare float(126), source varchar(20), dest varchar(20), busno number(20), ticketno number(20))
*
ERROR at line 1:
ORA-00922: missing or invalid option

SQL> create table reservation values(rescdte date, fare float(126), source varchar(20), dest varchar(20), busno number(20), ticketno number(20));
create table reservation values(rescdte date, fare float(126), source varchar(20), dest varchar(20), busno number(20), ticketno number(20))
*
ERROR at line 1:
ORA-00922: missing or invalid option

SQL> create table reservation(rescdte date, fare float(126), source varchar(20), dest varchar(20), busno number(20), ticketno number(20));
Table created.

SQL> insert into reservation values('10 mar 2023',180,'madanapalle','bangalore',8,21);
SP2-0734: unknown command beginning "insert into..." - rest of line ignored.
SQL> insert into reservation values('10 mar 2023',180,'madanapalle','bangalore',8,21);
1 row created.

SQL> select * from reservation;

```

RESCDATE	FARE	SOURCE	DEST	BUSNO	
TICKETNO					
10-MAR-23	21	180	madanapalle	bangalore	8

```

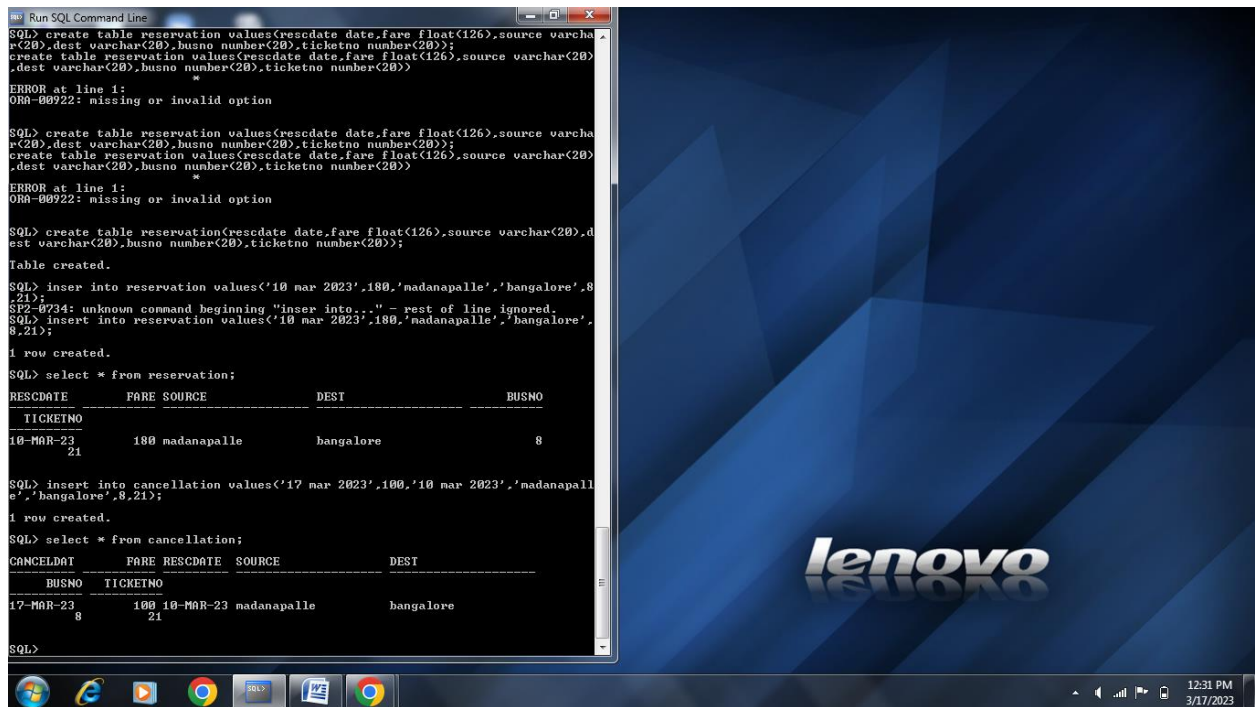
SQL>

```

insert 10 records and write the output.

insert into cancellation values('17 mar 2023',100,'10 mar

2023','madanapalle','bangalore',8,21);



```
SQL> create table reservation values(rescdate date,fare float(126),source varchar(20),dest varchar(20),busno number(20),ticketno number(20));
ERROR at line 1:
ORA-00922: missing or invalid option

SQL> create table reservation values(rescdate date,fare float(126),source varchar(20),dest varchar(20),busno number(20),ticketno number(20));
ERROR at line 1:
ORA-00922: missing or invalid option

SQL> create table reservation(rescdate date,fare float(126),source varchar(20),dest varchar(20),busno number(20),ticketno number(20));
Table created.

SQL> insert into reservation values('10 mar 2023',180,'madanapalle','bangalore',8,21);
SP2-0734: unknown command beginning "insert into..." - rest of line ignored.
SQL> insert into reservation values('10 mar 2023',180,'madanapalle','bangalore',8,21);
1 row created.

SQL> select * from reservation;
RESCDATE      FARE SOURCE      DEST      BUSNO
-----
TICKETNO
10-MAR-23      180 madanapalle  bangalore      8

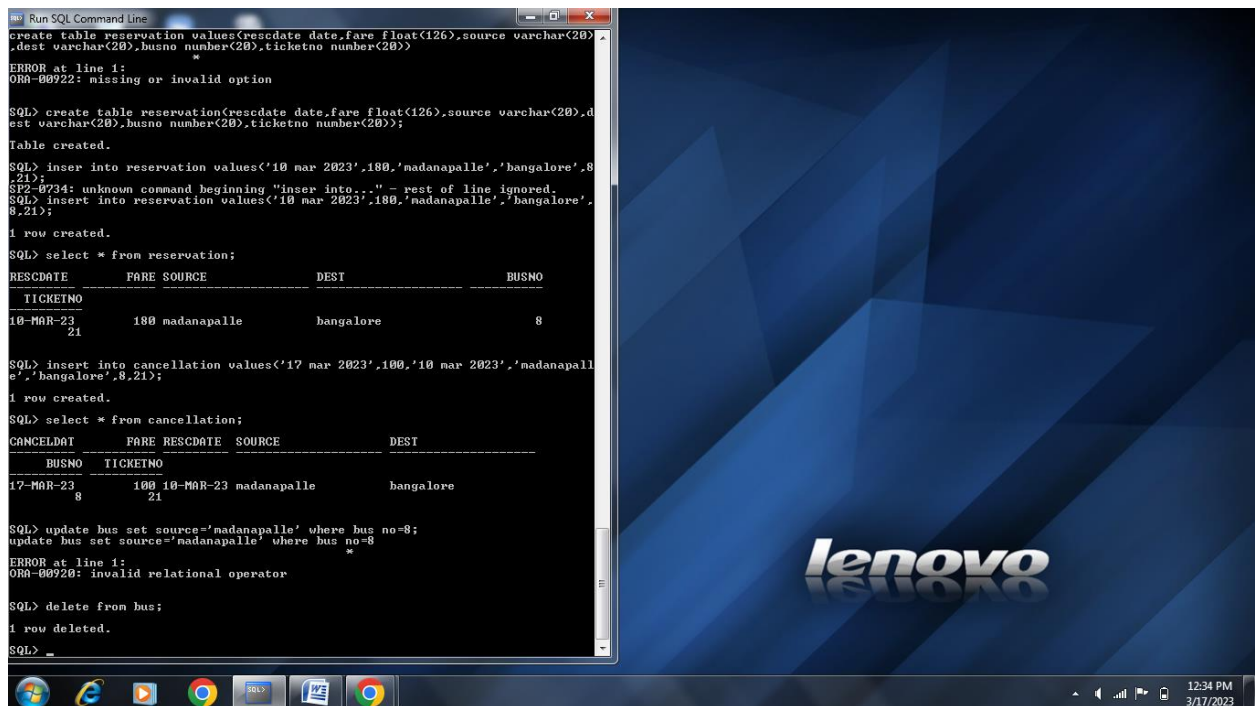
SQL> insert into cancellation values('17 mar 2023',100,'10 mar 2023','madanapalle','bangalore',8,21);
1 row created.

SQL> select * from cancellation;
CANCELDAT      FARE RESCDATE  SOURCE      DEST
-----
BUSNO  TICKETNO
17-MAR-23      100 10-MAR-23 madanapalle  bangalore
8              21
```

insert 10 records and write the output here.

To delete bus table the command used is

SQL>delete bus;



```
SQL> create table reservation values(rescdate date,fare float(126),source varchar(20),dest varchar(20),busno number(20),ticketno number(20));
ERROR at line 1:
ORA-00922: missing or invalid option

SQL> create table reservation(rescdate date,fare float(126),source varchar(20),dest varchar(20),busno number(20),ticketno number(20));
Table created.

SQL> insert into reservation values('10 mar 2023',180,'madanapalle','bangalore',8,21);
SP2-0734: unknown command beginning "insert into..." - rest of line ignored.
SQL> insert into reservation values('10 mar 2023',180,'madanapalle','bangalore',8,21);
1 row created.

SQL> select * from reservation;
RESCDATE      FARE SOURCE      DEST      BUSNO
-----
TICKETNO
10-MAR-23      180 madanapalle  bangalore      8

SQL> insert into cancellation values('17 mar 2023',100,'10 mar 2023','madanapalle','bangalore',8,21);
1 row created.

SQL> select * from cancellation;
CANCELDAT      FARE RESCDATE  SOURCE      DEST
-----
BUSNO  TICKETNO
17-MAR-23      100 10-MAR-23 madanapalle  bangalore
8              21

SQL> update bus set source='madanapalle' where bus no=8;
update bus set source='madanapalle' where bus no=8
ERROR at line 1:
ORA-00920: invalid relational operator

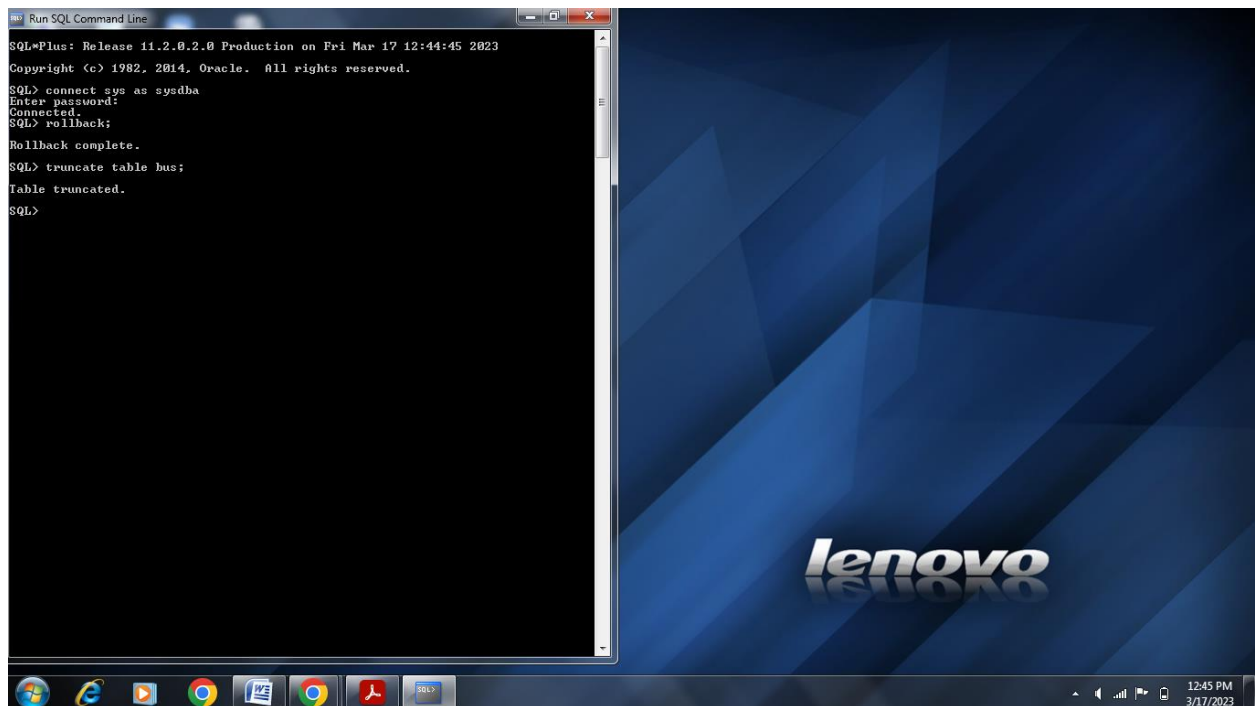
SQL> delete from bus;
1 row deleted.

SQL>
```

perform roll back & truncate commands .The syntax is

SQL> rollback;

SQL>truncate table bus;



Result: Hence Implementation of DML commands are successfully applied

5.AIM OF THE EXPERIMENT: To create user account using SQL .

DESCRIPTION: A user is an account that you can use to access the SQL server. To create user SQL server, you can use any of the following two ways: Using T-SQL & Using SQL Server Management Studio.

SOURCE CODE:

SQL>connect system/oracle;

SQL>show user

sQL>create user Nivedha1 identified by pass;

SQL>grant connect,resource to Nivedha1;

SQL>show user

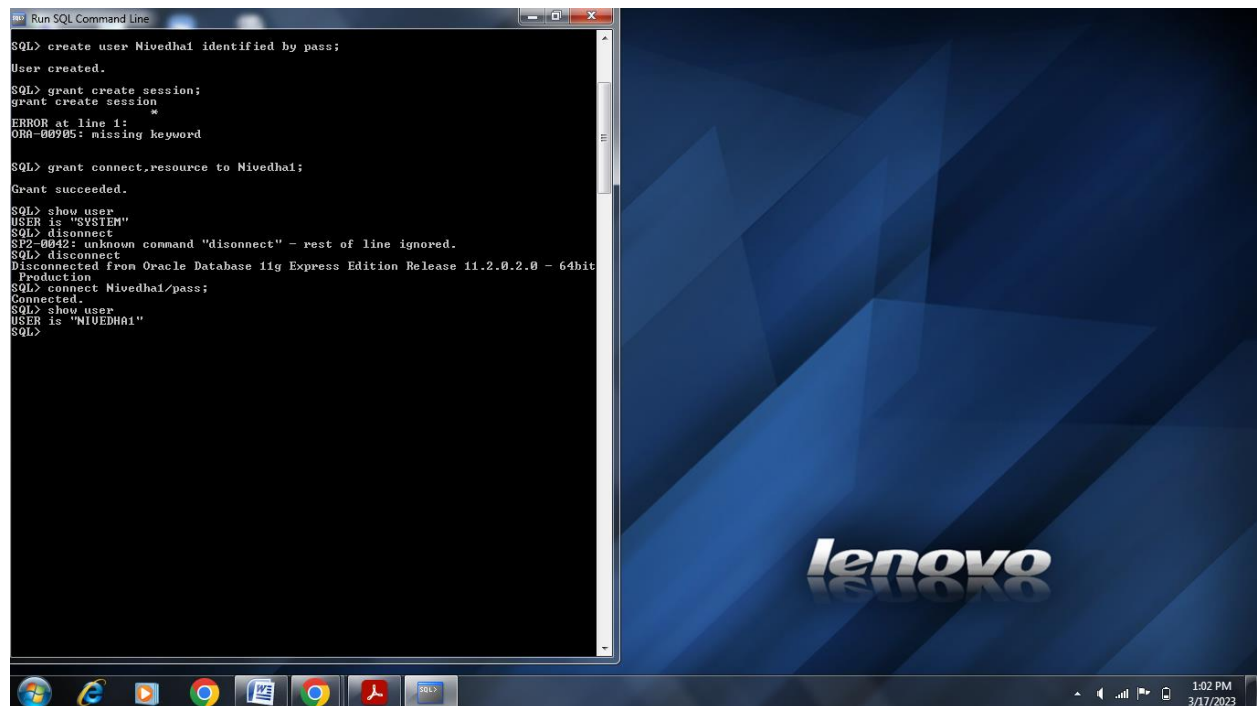
SQL>disconnect

SQL>connect Nivedha1/pass;

SQL>show user;

user is Nivedha1

OUTPUT :



The screenshot shows a Windows desktop environment. The wallpaper features a blue geometric pattern with the 'lenovo' logo in the bottom right corner. A taskbar at the bottom contains icons for various applications, including a web browser, a file explorer, and a terminal. A window titled 'Run SQL Command Line' is open, displaying the following SQL commands and their outputs:

```
SQL> create user Nivedha1 identified by pass;
User created.

SQL> grant create session;
grant create session
*
ERROR at line 1:
ORA-00905: missing keyword

SQL> grant connect,resource to Nivedha1;
Grant succeeded.

SQL> show user
USER is "SYSTEM"
SQL> disonnect
SP2-0042: unknown command "disonnect" - rest of line ignored.
SQL> disconnect
Disconnected from Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit
Production
SQL> connect Nivedha1/pass;
Connected.
SQL> show user
USER is "NIVEDHA1"
SQL>
```

RESULT: Hence User account has been created using SQL successfully.