Name:
Roll NO:

VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

Course: Principles of Database System

Course code: CSI1001

Assignment-1

Creating table ,Inserting value,then adding the new column to table:

Creating table

1)create table store(product_id number(30),product_name varchar2(30),manufacturer varchar2(30),selling_price number(30),mod date);

Describing table

2)desc store;

Inserting Values

3)insert into store values(001,'pen','classmate',60,'3/jun/2020');

Adding the column available

4) alter table store add available number(20);

Output:

```
SQL> connect
Enter user-name: system
Enter password:
Connected.
SQL> create table store(product_id number(30),product_name varchar2(30),manufacturer varchar2(30),selling_price number(30),mod date);

Table created.

SQL> insert into store values(001,'pen','classmate',60,'3/jun/2020');

1 row created.

SQL> desc store
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 PRODUCT_ID                                         NUMBER(30)
 PRODUCT_NAME                                       VARCHAR2(30)
 MANUFACTURER                                       VARCHAR2(30)
 SELLING_PRICE                                      NUMBER(30)
 MOD                                                DATE

SQL> alter table store add available number(20);

Table altered.

SQL> desc store
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 PRODUCT_ID                                         NUMBER(30)
 PRODUCT_NAME                                       VARCHAR2(30)
 MANUFACTURER                                       VARCHAR2(30)
 SELLING_PRICE                                      NUMBER(30)
 MOD                                                DATE
 AVAILABLE                                          NUMBER(20)
```

Inserting rows into table

Inserting new rows to the table:

Output:

```
SQL> insert into store values(002,'Ruled-Note','GreenGo',100,'5/jun/2020',20);

1 row created.

SQL> insert into store values(004,'pencil','classmate',80,'3/jun/2020',40);

1 row created.

SQL> insert into store values(003,'School-bag','WPG',1060,'3/jan/2020',50);

1 row created.

SQL> insert into store values(005,'Teddy','wonders',180,'1/mar/2019',10);

1 row created.

SQL> insert into store values(007,'Bangles','Wide',105,'3/apr/2019',50);

1 row created.

SQL> insert into store values(006,'bulbs','philps',50,'2/sep/2019',100);

1 row created.

SQL> insert into store values(008,'Cloths','trends',1060,'30/jul/2020',5);

1 row created.
```

Displaying and Updating the available of 1

Displaying:

To get the full table in format use

Set LINESIZE 300;

Select * from store;

Update:

Update store set available=30 where product_id=1;

Output:

```
SQL> set LINESIZE 300;
SQL> select * from store;

PRODUCT_ID PRODUCT_NAME                   MANUFACTURER                   SELLING_PRICE MOD       AVAILABLE
---------- ------------------------------ ------------------------------ ------------- --------- ----------
         1 pen                            classmate                             60 03-JUN-20
         2 Ruled-Note                     GreenGo                              100 05-JUN-20         20
         4 pencil                         classmate                             80 03-JUN-20         40
         3 School-bag                     WPG                                 1060 03-JAN-20         50
         5 Teddy                          wonders                              180 01-MAR-19         10
         7 Bangles                        Wide                                 105 03-APR-19         50
         6 bulbs                          philps                                50 02-SEP-19        100
         8 Cloths                         trends                              1060 30-JUL-20          5

8 rows selected.

SQL> Update store set available=30 where product_id=1;

1 row updated.

SQL> select * from store;

PRODUCT_ID PRODUCT_NAME                   MANUFACTURER                   SELLING_PRICE MOD       AVAILABLE
---------- ------------------------------ ------------------------------ ------------- --------- ----------
         1 pen                            classmate                             60 03-JUN-20         30
         2 Ruled-Note                     GreenGo                              100 05-JUN-20         20
         4 pencil                         classmate                             80 03-JUN-20         40
         3 School-bag                     WPG                                 1060 03-JAN-20         50
         5 Teddy                          wonders                              180 01-MAR-19         10
         7 Bangles                        Wide                                 105 03-APR-19         50
         6 bulbs                          philps                                50 02-SEP-19        100
         8 Cloths                         trends                              1060 30-JUL-20          5

8 rows selected.
```

Renaming the column

Renaming the column:

Alter table store rename column product_id top_id;

Output:

```
SQL> alter table store RENAME COLUMN product_id to p_id;

Table altered.

SQL> select * from store;

      P_ID PRODUCT_NAME                   MANUFACTURER                   SELLING_PRICE MOD       AVAILABLE
---------- ------------------------------ ------------------------------ ------------- --------- ----------
         1 pen                            classmate                             60 03-JUN-20         30
         2 Ruled-Note                     GreenGo                              100 05-JUN-20         20
         4 pencil                         classmate                             80 03-JUN-20         40
         3 School-bag                     WPG                                 1060 03-JAN-20         50
         5 Teddy                          wonders                              180 01-MAR-19         10
         7 Bangles                        Wide                                 105 03-APR-19         50
         6 bulbs                          philps                                50 02-SEP-19        100
         8 Cloths                         trends                              1060 30-JUL-20          5

8 rows selected.
```

Dropping the column

alter table store drop(selling_price);

Output:

```
SQL> alter table store drop (selling_price);

Table altered.

SQL> select*from table;
select*from table
              *
ERROR at line 1:
ORA-00906: missing left parenthesis


SQL> select*from store;

      P_ID PRODUCT_NAME                    MANUFACTURER                   MOD        AVAILABLE
---------- ------------------------------ ------------------------------ --------- ----------
         1 pen                            classmate                      03-JUN-20         30
         2 Ruled-Note                     GreenGo                        05-JUN-20         20
         4 pencil                         classmate                      03-JUN-20         40
         3 School-bag                     WPG                            03-JAN-20         50
         5 Teddy                          wonders                        01-MAR-19         10
         7 Bangles                        Wide                           03-APR-19         50
         6 bulbs                          philps                         02-SEP-19        100
         8 Cloths                         trends                         30-JUL-20          5

8 rows selected.
```

Deleting record , Truncating data in table and dropping the whole table

Deleting record:

Delete from store where available=5;

Truncate:

truncate table store;

Drop:

Drop table store;

Output:

```
SQL> delete from store where available<5;

0 rows deleted.

SQL> delete from store where available=5;

1 row deleted.

SQL> select*from store;

      P_ID PRODUCT_NAME                  MANUFACTURER                 MOD        AVAILABLE
---------- ------------------------------ ---------------------------- --------- ----------
         1 pen                            classmate                    03-JUN-20         30
         2 Ruled-Note                     GreenGo                      05-JUN-20         20
         4 pencil                         classmate                    03-JUN-20         40
         3 School-bag                     WPG                          03-JAN-20         50
         5 Teddy                          wonders                      01-MAR-19         10
         7 Bangles                        Wide                         03-APR-19         50
         6 bulbs                          philps                       02-SEP-19        100

7 rows selected.

SQL> truncate table store;

Table truncated.

SQL> select*from store;

no rows selected

SQL> drop table store;

Table dropped.
```