

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);

```
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 PRODUCT_ID
PRODUCT_INME VARCHAR2(30)
HANUFACTURER VARCHAR2(30)
HOD DATE

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

Table altered.
SQL> desc store
Name Null? Type

PRODUCT_ID
PRODUCT_ID
PRODUCT_ID
PRODUCT_ID
PRODUCT_ID
VARCHAR2(30)
VARCHAR
```

Inserting rows into table

Inserting new rows to the table:

```
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(006, 'bulbs', 'rends',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:

ODUCT_I	PRODUCT_NAME	MANUFACTURER	SELLING_PRICE	MOD	AVAILABLE
	pen	classmate		03-JUN-20	
	Ruled-Note	GreenGo		05-JUN-20	
	pencil	classmate		03-JUN-20	
	School-bag	WPG .		03-JAN-20	
	Teddy	wonders		01-MAR-19	
	Bangles	Wide		03-APR-19	
	bulbs	philps		02-SEP-19	
1	Cloths	trends	1060	30-JUL-20	5
row upda	e store set available=:	30 where product_id=1;			
L> Updat row upda L> selec	e store set available=		SELLING_PRICE	MOD	AVAILABLE
L> Updatrow update L> selection	e store set available=: ted. t * from store; PRODUCT_NAME	MANUFACTURER			
L> Updatrow updatch L> selection ODUCT_II	ce store set available=: ited. it * from store; PRODUCT_NAME	MANUFACTURER classmate	 60	03-JUN-20	30
L> Updat	te store set available=: ted. ** * from store; PRODUCT_NAME pen Ruled-Note	MANUFACTURER 	60 100	03-JUN-20 05-JUN-20	30 20
L> Updatrow updatch construction (L) selection (C)	e store set available=: ited. t * from store; PRODUCT_NAME pen Ruled-Note pencil	MANUFACTURER		03-JUN-20 05-JUN-20 03-JUN-20	30 20 40
L> Updatrow updatch selection	te store set available=: ited. it * from store; PRODUCT_NAME pen ! Ruled-Note ! pencil ! School-bag	MANUFACTURER classmate GreenGo classmate WPG		03-JUN-20 05-JUN-20 03-JUN-20 03-JAN-20	30 20 40 50
L> Updatrow updatch selection	e store set available=: ited. t * from store; PRODUCT_NAME pen Ruled-Note pencil School-bag Teddy	MANUFACTURER classmate GreenGo classmate WPG wonders	60 100 80 1060 180	03-JUN-20 05-JUN-20 03-JUN-20 03-JAN-20 01-MAR-19	30 20 40 50
L> Updat row updat L> select ODUCT_II	te store set available=: ited. it * from store; PRODUCT_NAME pen ! Ruled-Note ! pencil ! School-bag	MANUFACTURER classmate GreenGo classmate WPG		03-JUN-20 05-JUN-20 03-JUN-20 03-JAN-20	30 20 40 50 10 50

Renaming the column

Renaming the column:

Alter table store rename column product_id top_id;

```
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
                                                                                    60 03-JUN-20
        1 pen
                                          classmate
                                                                                                          30
        2 Ruled-Note
                                                                                    100 05-JUN-20
                                          GreenGo
        4 pencil
                                          classmate
                                                                                    80 03-JUN-20
         3 School-bag
                                          WPG
                                                                                   1060 03-JAN-20
        5 Teddy
7 Bangles
                                          wonders
                                                                                   180 01-MAR-19
                                                                                    105 03-APR-19
         6 bulbs
                                          philps
                                                                                    50 02-SEP-19
         8 Cloths
                                                                                   1060 30-JUL-20
                                          trends
 rows selected.
```

Dropping the column

alter table store drop(selling_price);

Output:

```
SQL> alter table store drop (selling_price);
Table altered.
QL> select*from table;
select*from table
RROR at line 1:
ORA-00906: missing left parenthesis
SQL> select*from store;
     P_ID PRODUCT_NAME
                                     MANUFACTURER
                                                                            AVAILABLE
                                                                  MOD
       1 pen
                                     classmate
                                                                  03-JUN-20
                                                                                  30
                                                                              30
20
40
      2 Ruled-Note
                                 GreenGo
                                                                  05-JUN-20
                                    classmate
WPG
                                                                  03-JUN-20
      4 pencil
       3 School-bag
                                                                  03-JAN-20
                                                                                  50
       5 Teddy
                                                                  01-MAR-19
                                     wonders
                                                                                  10
       7 Bangles
                                     Wide
                                                                  03-APR-19
                                                                  02-SEP-19
                                      philps
       6 bulbs
                                                                                  100
       8 Cloths
                                      trends
                                                                  30-JUL-20
 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;

```
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
                                                                       05-JUN-20
                                        GreenGo
       4 pencil
                                        classmate
                                                                       03-JUN-20
                                                                                        40
       3 School-bag
                                                                       03-JAN-20
                                        WPG
        5 Teddy
7 Bangles
                                                                                         10
                                        wonders
                                                                       01-MAR-19
                                        Wide
                                                                       03-APR-19
                                        philps
        6 bulbs
                                                                       02-SEP-19
                                                                                        100
 rows selected.
SQL> truncate table store;
Table truncated.
SQL> select*from store;
no rows selected
SQL> drop table store;
Table dropped.
```