



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      20
2 Ruled-Note GreenGo            100 05-JUN-20      40
4 pencil     classmate          80 03-JUN-20      50
3 School-bag WPG               1060 03-JAN-20      10
5 Teddy      wonders           180 01-MAR-19      50
7 Bangles    Wide              105 03-APR-19      100
6 bulbs      philps            50 02-SEP-19      5
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.
```