Name :- Senjaliya Pooja c.

Subject :- Oracle Assigment-1

Roll No. :- 3015

**1.)CLIENTMASTER23 :-**

SQL> create table clientmaster23(clientno varchar(6),name varchar(15),address1 varchar(5),address2 v

archar(5),city varchar(12),pincode number(6),state varchar(12),baldue number(7));

Table created.

SQL> desc clientmaster23;

Name Null? Type

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

CLIENTNO VARCHAR2(6)

NAME VARCHAR2(15)

ADDRESS1 VARCHAR2(5)

ADDRESS2 VARCHAR2(5)

CITY VARCHAR2(12)

PINCODE NUMBER(6)

STATE VARCHAR2(12)

BALDUE NUMBER(7)

SQL> insert into clientmaster23 values('c00001','Rakesh Joshi','','','Mumbai',400054,'Maharashtra',1

5000);

1 row created.

SQL> insert into clientmaster23 values('c00002','Mayur Patel','','','Madras',780001,'Tamilnadu',0);

1 row created.

SQL> insert into clientmaster23 values('c00003','Ishital Mehata','','','Mumbai',400057,'Maharastra',

5000);

1 row created.

SQL> insert into clientmaster23 values('c00004','Amit Solanki','','','Bangalore',560001,'Karnataka',

0);

1 row created.

SQL> insert into clientmaster23 values('c00005','Hiren Pandya','','','Mumbai',400060,'Maharastra',20

00);

1 row created.

SQL> insert into clientmaster23 values('c00006','Dipak Sharma','','','Mangalore',560050,'Karnataka',

0);

1 row created.

SQL> select \*from clientmaster23;

CLIENT NAME ADDRE ADDRE CITY PINCODE STATE

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BALDUE

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c00001 Rakesh Joshi Mumbai 400054 Maharashtra

15000

c00002 Mayur Patel Madras 780001 Tamilnadu

0

c00003 Ishital Mehata Mumbai 400057 Maharastra

5000

c00004 Amit Solanki Bangalore 560001 Karnataka

0

c00005 Hiren Pandya Mumbai 400060 Maharastra

2000

c00006 Dipak Sharma Mangalore 560050 Karnataka

0

6 rows selected.

Table 2:- Productmaster23

SQL> create table productmaster23

2

SQL> create table productmaster23(productno varchar(6),description varchar(14),profitpercent number(

4),unitmaster varchar(7),qtyonhand number(5),recordlvl number(5),sellprice number(8),costprice numbe

r(8));

Table created.

SQL> desc productmaster23;

Name Null? Type

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

PRODUCTNO VARCHAR2(6)

DESCRIPTION VARCHAR2(14)

PROFITPERCENT NUMBER(4)

UNITMASTER VARCHAR2(7)

QTYONHAND NUMBER(5)

RECORDLVL NUMBER(5)

SELLPRICE NUMBER(8)

COSTPRICE NUMBER(8)

SQL> insert into productmaster23 values('p00001','T-Shirt',5,'piece',200,50,350,250);

1 row created.

SQL> insert into productmaster23 values('p0345','Shirt',6,'piece',150,50,500,350);

1 row created.

SQL> insert into productmaster23 values('p06734','Cotton Jeans',5,'piece',100,20,600,450);

1 row created.

SQL> insert into productmaster23 values('p07865','Jeans',5,'Piece',100,20,600,450);

1 row created.

SQL> insert into productmaster23 values('p07868','Trouser',2,'Piece',150,50,850,550);

1 row created.

SQL> insert into productmaster23 values('p07885','Pull Overs',2.5,'Piece',80,30,700,450);

1 row created.

SQL> insert into productmaster23 values('p07965','Denim Shirt',4,'Piece',100,40,350,250);

1 row created.

SQL> insert into productmaster23 values('p07975','Lycra Tops',5,'Piece',70,30,300,175);

1 row created.

SQL> insert into productmaster23 values('p08865','Skirts',5,'Piece',75,30,450,300);

1 row created.

SQL> select \*from productmaster23;

PRODUC DESCRIPTION PROFITPERCENT UNITMAS QTYONHAND RECORDLVL SELLPRICE COSTPRICE

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

p00001 T-Shirt 5 piece 200 50 350 250

p0345 Shirt 6 piece 150 50 500 350

p06734 Cotton Jeans 5 piece 100 20 600 450

p07865 Jeans 5 Piece 100 20 600 450

p07868 Trouser 2 Piece 150 50 850 550

p07885 Pull Overs 3 Piece 80 30 700 450

p07965 Denim Shirt 4 Piece 100 40 350 250

p07975 Lycra Tops 5 Piece 70 30 300 175

p08865 Skirts 5 Piece 75 30 450 300

9 rows selected.

Table 3:- Salesmanmaster23

SQL> create table salesmanmaster23(salesmanno varchar(6),salesmanname varchar(15),address1 varchar(5),address2 varchar(10),city varchar(10),pincode number(6),state varchar(12),salamt number(8),tgtoget number(6),ytdsales number(6),remarks varchar(10));

Table created.

SQL> desc salesmanmaster23;

Name Null? Type

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

SALESMANNO VARCHAR2(6)

SALESMANNAME VARCHAR2(15)

ADDRESS1 VARCHAR2(5)

ADDRESS2 VARCHAR2(10)

CITY VARCHAR2(10)

PINCODE NUMBER(6)

STATE VARCHAR2(12)

SALAMT NUMBER(8)

TGTOGET NUMBER(6)

YTDSALES NUMBER(6)

REMARKS VARCHAR2(10)

SQL> insert into salesmanmaster23 values('s00001','Aman','A/14','Worli','Mumbai',400002,'Maharastra'

,3000,100,50,'Good');

1 row created.

SQL>insert into salesmanmaster23 values('s00002','Omkar','65','Nariman','Mumbai',400001,'Maharastra

',3000,200,100,'Good');

1 row created.

SQL>insert into salesmanmaster23 values('s00003','Raj','P-7','Bandra','Mumbai',400032,'Maharastra',

3000,200,100,'Good');

1 row created.

SQL>insert into salesmanmaster23 values('s00004','Ashish','A/5','Juhu','Mumbai',400044,'Maharastra'

,3000,200,100,'Good');

1 row created.

SQL> select \*from salesmanmaster23;

SALESM SALESMANNAME ADDRE ADDRESS2 CITY PINCODE STATE

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

SALAMT TGTOGET YTDSALES REMARKS

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

s00001 Aman A/14 Worli Mumbai 400002 Maharastra

3000 100 50 Good

s00002 Omkar 65 Nariman Mumbai 400001 Maharastra

3000 200 100 Good

s00003 Raj P-7 Bandra Mumbai 400032 Maharastra

3000 200 100 Good

s00004 Ashish A/5 Juhu Mumbai 400044 Maharastra

3000 200 100 Good

**//exercise on retrieving records from the table:-**

**1.)Find the name of all the client.**

SQL> select name from clientmaster23;

NAME

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

Rakesh Joshi

Mayur Patel

Ishital Mehata

Amit Solanki

Hiren Pandya

Dipak Sharma

6 rows selected.

**2.) Retrive the entire contents of the clientmaster23 table.**

SQL> select \*from clientmaster23;

CLIENT NAME ADDRE ADDRE CITY PINCODE STATE BALDUE

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

c00001 Rakesh Joshi Mumbai 400054 Maharashtra 15000

c00002 Mayur Patel Madras 780001 Tamilnadu 0

c00003 Ishital Mehata Mumbai 400057 Maharastra 5000

c00004 Amit Solanki Bangalore 560001 Karnataka 0

c00005 Hiren Pandya Mumbai 400060 Maharastra 2000

c00006 Dipak Sharma Mangalore 560050 Karnataka 0

6 rows selected.

**3.) Retrive the list of names,city and the state of all the clients.**

SQL> select name,city,state from clientmaster23;

NAME CITY STATE

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

Rakesh Joshi Mumbai Maharashtra

Mayur Patel Madras Tamilnadu

Ishital Mehata Mumbai Maharastra

Amit Solanki Bangalore Karnataka

Hiren Pandya Mumbai Maharastra

Dipak Sharma Mangalore Karnataka

6 rows selected.

**4.)List the various product available from the productmaster table.**

SQL> select description from productmaster23;

DESCRIPTION

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

T-Shirt

Shirt

Cotton Jeans

Jeans

Trouser

Pull Overs

Denim Shirt

Lycra Tops

Skirts

9 rows selected.

**5.) List all the client who are located in Mumbai.**

SQL> select name from clientmaster23 where city='Mumbai';

NAME

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

Rakesh Joshi

Ishital Mehata

Hiren Pandya

**6.) Find the name of salsman who save a salary equal to rs.3000 :-**

SQL> select salesmanname from salesmanmaster23 where salamt='3000';

SALESMANNAME

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

Aman

Omkar

Raj

Ashish

**//exercise on updating records in table**

**1.) Change the city of client no.’C00005’ to Bangalore:-**

SQL> update clientmaster23 set city='bangalore' where clientno='c00005';

1 row updated.

SQL> select \*from clientmaster23;

CLIENT NAME ADDRE ADDRE CITY PINCODE STATE BALDUE

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

c00001 Rakesh Joshi Mumbai 400054 Maharashtra 15000

c00002 Mayur Patel Madras 780001 Tamilnadu 0

c00003 Ishital Mehata Mumbai 400057 Maharastra 5000

c00004 Amit Solanki Bangalore 560001 Karnataka 0

c00005 Hiren Pandya bangalore 400060 Maharastra 2000

c00006 Dipak Sharma Mangalore 560050 Karnataka 0

6 rows selected.

**2.) change the baldue of client ‘c00001’ to rs.1000 :-**

SQL> update clientmaster23 set baldue='1000'where clientno='c00001';

1 row updated.

SQL> select \*from clientmaster23;

CLIENT NAME ADDRE ADDRE CITY PINCODE STATE BALDUE

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

c00001 Rakesh Joshi Mumbai 400054 Maharashtra 1000

c00002 Mayur Patel Madras 780001 Tamilnadu 0

c00003 Ishital Mehata Mumbai 400057 Maharastra 5000

c00004 Amit Solanki Bangalore 560001 Karnataka 0

c00005 Hiren Pandya bangalore 400060 Maharastra 2000

c00006 Dipak Sharma Mangalore 560050 Karnataka 0

6 rows selected.

**3.) Change the cost price of ‘trouser’ to rs.950:-**

SQL> update productmaster23 set costprice=950 where description='Trouser';

1 row updated.

SQL> select \*from productmaster23;

PRODUC DESCRIPTION PROFITPERCENT UNITMAS QTYONHAND RECORDLVL SELLPRICE COSTPRICE

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

p00001 T-Shirt 5 piece 200 50 350 250

p0345 Shirt 6 piece 150 50 500 350

p06734 Cotton Jeans 5 piece 100 20 600 450

p07865 Jeans 5 Piece 100 20 600 450

p07868 Trouser 2 Piece 150 50 850 950

p07885 Pull Overs 3 Piece 80 30 700 450

p07965 Denim Shirt 4 Piece 100 40 350 250

p07975 Lycra Tops 5 Piece 70 30 300 175

p08865 Skirts 5 Piece 75 30 450 300

9 rows selected.

**4.) change the city of the salesman to pune :-**

SQL> update salesmanmaster23 set city='Pune';

4 rows updated.

SQL> select \*from salesmanmaster23;

SALESM SALESMANNAME ADDRE ADDRESS2 CITY PINCODE STATE SALAMT TGTOGET YTDSALES REMARKS

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

s00001 Aman A/14 Worli Pune 400002 Maharastra 3000 100 50 Good

s00002 Omkar 65 Nariman Pune 400001 Maharastra 3000 200 100 Good

s00003 Raj P-7 Bandra Pune 400032 Maharastra 3000 200 100 Good

s00004 Ashish A/5 Juhu Pune 400044 Maharastra 3000 200 100 Good

**5.) change the seleprice of lycra tops to Rs.350 :-**

SQL> update productmaster23 set sellprice='350' where description='Lycra Tops';

1 row updated.

SQL> select \*from productmaster23;

PRODUC DESCRIPTION PROFITPERCENT UNITMAS QTYONHAND RECORDLVL SELLPRICE

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

COSTPRICE

----------

p00001 T-Shirt 5 piece 200 50 350

250

p0345 Shirt 6 piece 150 50 500

350

p06734 Cotton Jeans 5 piece 100 20 600

450

p07865 Jeans 5 Piece 100 20 600

450

p07868 Trouser 2 Piece 150 50 850

950

p07885 Pull Overs 3 Piece 80 30 700

450

p07965 Denim Shirt 4 Piece 100 40 350

250

p07975 Lycra Tops 5 Piece 70 30 350

175

p08865 Skirts 5 Piece 75 30 450

300

9 rows selected.

**6.) change the address1,address2,city,pincode,state of salesman no.S00002 :-**

SQL>

update salesmanmaster23 set address1='B13',address2='sg123',city='Madras',pincode='202020',

state='Tamilnadu' where salesmanno='s00002';

1 row updated.

SQL> select \*from salesmanmaster23;

SALESM SALESMANNAME ADDRE ADDRESS2 CITY PINCODE STATE SALAMT TGTOGET YTDSALES REMARKS

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

s00001 Aman A/14 Worli Pune 400002 Maharastra 3000 100 50 Good

s00002 Omkar B13 sg123 Madras 202020 Tamilnadu 3000 200 100 Good

s00003 Raj P-7 Bandra Pune 400032 Maharastra 3000 200 100 Good

s00004 Ashish A/5 Juhu Pune 400044 Maharastra 3000 200 100 Good

**//Exercise on deleting record in a table :-**

1. **Delete all salesman from the salesmanmaster23 whose salaries are equal to Rs.3500 :-**

SQL> delete from salesmanmaster23 where salamt='3500';

0 rows deleted.

SQL> select \*from salesmanmaster23;

SALESM SALESMANNAME ADDRE ADDRESS2 CITY PINCODE STATE

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

SALAMT TGTOGET YTDSALES REMARKS

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

s00001 Aman A/14 Worli Pune 400002 Maharastra

3000 100 50 Good

s00002 Omkar B13 sg123 Madras 202020 Tamilnadu

3000 200 100 Good

s00003 Raj P-7 Bandra Pune 400032 Maharastra

3000 200 100 Good

s00004 Ashish A/5 Juhu Pune 400044 Maharastra

3000 200 100 Good

1. **Delete all product from productmaster23 where the quantity on hand is equal to 100**

SQL> delete productmaster23 where qtyonhand='100';

3 rows deleted.

SQL> select \*from productmaster23;

PRODUC DESCRIPTION PROFITPERCENT UNITMAS QTYONHAND RECORDLVL SELLPRICE COSTPRICE

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

p00001 T-Shirt 5 piece 200 50 350 250

p0345 Shirt 6 piece 150 50 500 350

p07868 Trouser 2 Piece 150 50 850 950

p07885 Pull Overs 3 Piece 80 30 700 450

p07975 Lycra Tops 5 Piece 70 30 350 175

p08865 Skirts 5 Piece 75 30 450 300

6 rows selected.

1. **Delete from cientmaster23 where the column state holds the value ‘Tamilnadu’ :-**

SQL> delete clientmaster23 where state='Tamilnadu';

1 row deleted.

SQL> select \*from clientmaster23;

CLIENT NAME ADDRE ADDRE CITY PINCODE STATE BALDUE

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

c00001 Rakesh Joshi Mumbai 400054 Maharashtra 1000

c00003 Ishital Mehata Mumbai 400057 Maharastra 5000

c00004 Amit Solanki Bangalore 560001 Karnataka 0

c00005 Hiren Pandya bangalore 400060 Maharastra 2000

c00006 Dipak Sharma Mangalore 560050 Karnataka 0

**//Exercise on altering the table structure :-**

1. **Add a column called ‘Telephone’ of datatype ‘Number’ and size=’10’ to the clientmaster23 table :-**

SQL> alter table clientmaster23 add(telephone number(10));

Table altered.

SQL> desc clientmaster23;

Name Null? Type

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

CLIENTNO VARCHAR2(6)

NAME VARCHAR2(15)

ADDRESS1 VARCHAR2(5)

ADDRESS2 VARCHAR2(5)

CITY VARCHAR2(12)

PINCODE NUMBER(6)

STATE VARCHAR2(12)

BALDUE NUMBER(7)

TELEPHONE NUMBER(10)

**2.)change the size of saleprice column in productmaster23 to 10,2:-**

SQL> alter table productmaster23 modify (sellprice number(10,2));

Table altered.

SQL> select \*from productmaster23;

PRODUC DESCRIPTION PROFITPERCENT UNITMAS QTYONHAND RECORDLVL SELLPRICE COSTPRICE

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

p00001 T-Shirt 5 piece 200 50 350 250

p0345 Shirt 6 piece 150 50 500 350

p07868 Trouser 2 Piece 150 50 850 950

p07885 Pull Overs 3 Piece 80 30 700 450

p07975 Lycra Tops 5 Piece 70 30 350 175

p08865 Skirts 5 Piece 75 30 450 300

6 rows selected.

**3.)add column called ‘profit’ of datatype ‘number’ and size=’12’ to the number(12):-**

SQL> alter table productmaster23 add(profit number(12));

Table altered.

SQL> desc productmaster23;

Name Null? Type

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

PRODUCTNO VARCHAR2(6)

DESCRIPTION VARCHAR2(14)

PROFITPERCENT NEMBER(4)

UNITMASTER VARCHAR2(7)

QTYONHAND NUMBER(5)

RECORDLVL NUMBER(5)

SELLPRICE NUMBER(10,2)

COSTPRICE NUMBER(8)

PROFIT NUMBER(12)

**4.)remove column ‘profit’ from the productmaster23:-**

SQL> alter table productmaster23 drop column profit;

Table altered.

SQL> desc productmaster23;

Name Null? Type

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

PRODUCTNO VARCHAR2(6)

DESCRIPTION VARCHAR2(14)

PROFITPERCENT NEMBER(4)

UNITMASTER VARCHAR2(7)

QTYONHAND NUMBER(5)

RECORDLVL NUMBER(5)

SELLPRICE NUMBER(10,2)

COSTPRICE NUMBER(8)

**5.)change the name of the salesmanmaster23 table to sman\_mast23;**

SQL> rename salesmanmaster23 to sman\_mast23

Table renamed.

**6.)destroy the table clientmaster23 along with its data:-**

SQL> drop table clientmaster23;

Table dropped.