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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',15000);
```

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,'Maharashtra',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,'Maharashtra',2000);
```

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

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.

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
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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 YTD SALES REMARKS

s00001 Aman A/14 Worli Mumbai 400002 Maharashtra

3000 100 50 Good

s00002 Omkar 65 Nariman Mumbai 400001 Maharashtra

3000 200 100 Good

s00003 Raj P-7 Bandra Mumbai 400032 Maharashtra

3000 200 100 Good

s00004 Ashish A/5 Juhu Mumbai 400044 Maharashtra

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	Maharashtra
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Amit Solanki	Bangalore	Karnataka
--------------	-----------	-----------

Hiren Pandya	Mumbai	Maharashtra
--------------	--------	-------------

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 salesman who save a salary equal to rs.3000 :-

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

SALESMANNNAME

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='Trousler';

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 Trousler	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	YTD	SALES	REMARKS
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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
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250

p07975 Lycra Tops	5 Piece	70	30	350
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175

p08865 Skirts	5 Piece	75	30	450
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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
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

2.) 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.

3.) Delete from clientmaster23 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(telphone 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		NUMBER(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		NUMBER(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.

