

Oracle Assignment

• Following are Created Tables:

1. Clientmaster23:

➤ Query:

- create table clientmaster23(clientno varchar2(6), name varchar2(20), address1 varchar2(20), address2 varchar2(20), city varchar2(20), pincode number(6), state varchar2(12), baldue number(7));
- desc clientmaster23;

➤ Output:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CLIENTMASTER23	CLIENTNO	Varchar2	6	-	-	-	✓	-	-
	NAME	Varchar2	20	-	-	-	✓	-	-
	ADDRESS1	Varchar2	20	-	-	-	✓	-	-
	ADDRESS2	Varchar2	20	-	-	-	✓	-	-
	CITY	Varchar2	20	-	-	-	✓	-	-
	PINCODE	Number	-	6	0	-	✓	-	-
	STATE	Varchar2	12	-	-	-	✓	-	-
	BALDUE	Number	-	7	0	-	✓	-	-

2. Productmaster23:

➤ Query:

- create table productmaster23(productno varchar2(6), description varchar2(20), profitpercent number(4), unitmaster varchar2(15), qtyonhand number(5), recordlvl number(5), sellprice number(8), costprice number(8));
- desc productmaster23;

➤ **Output:**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PRODUCTMASTER23	PRODUCTNO	Varchar2	6	-	-	-	✓	-	-
	DESCRIPTION	Varchar2	20	-	-	-	✓	-	-
	PROFITPERCENT	Number	-	4	0	-	✓	-	-
	UNITMASTER	Varchar2	15	-	-	-	✓	-	-
	QTYONHAND	Number	-	5	0	-	✓	-	-
	RECORDLVL	Number	-	5	0	-	✓	-	-
	SELLPRICE	Number	-	8	0	-	✓	-	-
	COSTPRICE	Number	-	8	0	-	✓	-	-

3. Salesmanmaster23:➤ **Query:**

→ create table salesmanmaster23(salesmanno varchar2(6), salesmanname varchar2(20), address1 varchar2(20), address2 varchar2(20), city varchar2(20), pincode number(6), state varchar2(20), salamt number(8), tgtoget number(6), ytdsales number(6), remarks varchar2(20));

➤ desc salesmanmaster23;

➤ **Output:**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SALESMANMASTER23	SALESMANNO	Varchar2	6	-	-	-	✓	-	-
	SALESMANNAME	Varchar2	20	-	-	-	✓	-	-
	ADDRESS1	Varchar2	20	-	-	-	✓	-	-
	ADDRESS2	Varchar2	20	-	-	-	✓	-	-
	CITY	Varchar2	20	-	-	-	✓	-	-
	PINCODE	Number	-	6	0	-	✓	-	-
	STATE	Varchar2	20	-	-	-	✓	-	-
	SALAMT	Number	-	8	0	-	✓	-	-
	TGTOGET	Number	-	6	0	-	✓	-	-
	YTDSALES	Number	-	6	0	-	✓	-	-
	REMARKS	Varchar2	20	-	-	-	✓	-	-

- **Following are Inserted Tables:**

1. Clientmaster23:

➤ **Query:**

➤ insert into clientmaster23 values

('C00001','Rakesh Joshi',' ',' ','Mumbai',400054,'Maharastra',15000);

➤ insert into clientmaster23 values

('C00002','Mayur Patel',' ',' ','Madras',780001,'Tamilnadu',0);

➤ insert into clientmaster23 values

('C00003','Ishita Mehta',' ',' ','Mumbai',400057,'Maharastra',5000);

➤ insert into clientmaster23 values

('C00004','Amit Solanki',' ',' ','Bangalore',560001,'karnataka',0);

➤ insert into clientmaster23 values

('C00005','Hiren Pandya',' ',' ','Mumbai',400060,'Maharastra',2000);

➤ insert into clientmaster23 values

('C00006','Dipak Sharama',' ',' ','Mangalore',560050,'Karnataka',0);

➤ select *from clientmaster23;

➤ **Output:**

CLIENTNO	NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	BALDUE
C00001	Rakesh Joshi	-	-	Mumbai	400054	Maharastra	15000
C00002	Mayur Patel	-	-	Madras	780001	Tamilnadu	0
C00003	Ishita Mehta	-	-	Mumbai	400057	Maharastra	5000
C00004	Amit Solanki	-	-	Bangalore	560001	karnataka	0
C00005	Hiren Pandya	-	-	Mumbai	400060	Maharastra	2000
C00006	Dipak Sharama	-	-	Mangalore	560050	Karnataka	0

2. Productmaster23:

➤ Query:

→ insert into productmaster23 values

('P00001','T-Shirt',5,'Piece',200,50,350,250);

→ insert into productmaster23 values

('P0345','Shirt',6,'Piece',150,50,500,350);

→ insert into productmaster23 values

('P06734','Cotton Jeans',5,'Piece',100,20,600,450);

→ insert into productmaster23 values

('P07865','Jeans',5,'Piece',100,20,750,500);

→ insert into productmaster23 values

('P07868','Trouser',2,'Piece',150,50,850,550);

→ insert into productmaster23 values

('P07885','Pull Overs',3,'Piece',80,30,700,450);

→ insert into productmaster23 values

('P07965','Denim Shirt',4,'Piece',100,40,350,250);

→ insert into productmaster23 values

('P07975','Lycra Tops',5,'Piece',70,30,300,175);

→ insert into productmaster23 values

('P08865','Skirts',5,'Piece',75,30,450,300);

➤ select *from productmaster23;

➤ Output:

PRODUCTNO	DESCRIPTION	PROFITPERCENT	UNITMASTER	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	750	500
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

3. Salesmanmaster23:

➤ **Query:**

→ insert into salesmanmaster23 values

('S00001','Aman','A/14','Worli','Mumbai',400002,'Maharatsra',3000,100,50,'Good');

→ insert into salesmanmaster23 values

('S00002','Omkar','65','Nariman','Mumbai',400001,'Maharatsra',3000,200,100,'Good');

→ insert into salesmanmaster23 values

('S00003','Raj','P7','Bandra','Mumbai',400032,'Maharatsra',3000,200,100,'Good');

→ insert into salesmanmaster23 values

('S00004','Ashish','A/5','Juhu','Mumbai',400044,'Maharatsra',3000,200,100,'Good');

➤ select *from salesmanmaster23;

➤ **Output:**

SALESMANNO	SALESMANNAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	SALAMT	TGTOGET	YTDSALES	REMARKS
S00001	Aman	A/14	Worli	Mumbai	400002	Maharatsra	3000	100	50	Good
S00002	Omkar	65	Nariman	Mumbai	400001	Maharatsra	3000	200	100	Good
S00003	Raj	P-7	Bandra	Mumbai	400032	Maharatsra	3000	200	100	Good
S00004	Ashish	A/5	Juhu	Mumbai	400044	Maharatsra	3000	200	100	Good

- **Exercise on retrieving records from the table:**

1. Find the name of all the client:

➤ **Query:**

→ select name from clientmaster23;

➤ **Output:**

NAME
Rakesh Joshi
Mayur Patel
Ishita Mehta
Amit Solanki
Hiren Pandya
Dipak Sharama

2. Retrieve The Entire Contents of The Clientmaster23 Table:

➤ **Query:**

→ select *from clientmaster23;

➤ **Output:**

CLIENTNO	NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	BALDUE
C00001	Rakesh Joshi	-	-	Mumbai	400054	Maharastra	15000
C00002	Mayur Patel	-	-	Madras	780001	Tamilnadu	0
C00003	Ishita Mehta	-	-	Mumbai	400057	Maharastra	5000
C00004	Amit Solanki	-	-	Bangalore	560001	karnataka	0
C00005	Hiren Pandya	-	-	Mumbai	400060	Maharastra	2000
C00006	Dipak Sharama	-	-	Mangalore	560050	Karnataka	0

3. Retrieve The List of Names, City and The State of All the Clients:

➤ **Query:**

→ select name,city,state from clientmaster23;

➤ **Output:**

NAME	CITY	STATE
Rakesh Joshi	Mumbai	Maharastra
Mayur Patel	Madras	Tamilnadu
Ishita Mehta	Mumbai	Maharastra
Amit Solanki	Bangalore	karnataka
Hiren Pandya	Mumbai	Maharastra
Dipak Sharama	Mangalore	Karnataka

4. List The Various Product Available from The Product Master Table:

➤ **Query:**

→ select description from productmaster23;

➤ **Output:**

DESCRIPTION
T-Shirt
Shirt
Cotton Jeans
Jeans
Trouser
Pull Overs
Denim Shirt
Lycra Tops
Skirts

5. List All the Client Who Are Located in Mumbai:

➤ **Query:**

→ select name from clientmaster23 where city='Mumbai';

➤ **Output:**

NAME
Rakesh Joshi
Ishita Mehta
Hiren Pandya

6. Find The Names of Salesman Who Have a Salary Equal to Rs.3000:

➤ **Query:**

→ select salesmanname from salesmanmaster23 where
salamt=3000;

➤ **Output:**

SALESMANNAME
Aman
Omkar
Raj
Ashish

- **Exercise on updating records in table:**

1. Change The City of Client No 'C00005' to Bangalore:

➤ **Query:**

→ UPDATE clientmaster23 set city='Bangalore' where
clientno='C00005';

➤ **Output:**

1 row(s) updated.

CLIENTNO	NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	BALDUE
C00005	Hiren Pandya	-	-	Bangalore	400060	Maharastra	2000

2. Change The Baldue of Client 'C00001' To Rs.1000:

➤ **Query:**

→ UPDATE clientmaster23 set baldue=1000 where
clientno='C00001';

➤ **Output:**

1 row(s) updated.

CLIENTNO	NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	BALDUE
C00001	Rakesh Joshi	-	-	Mumbai	400054	Maharastra	1000

3. Change The Costprice Of 'Trouser' To Rs.950:

➤ Query:

→ UPDATE productmaster23 set costprice=950 where description='Trouser';

➤ Output:

1 row(s) updated.

PRODUCTNO	DESCRIPTION	PROFITPERCENT	UNITMASTER	QTYONHAND	RECORDLVL	SELLPRICE	COSTPRICE
P07868	Trouser	2	Piece	150	50	850	950

4. Change The City of The Salesman to Pune:

➤ Query:

→ UPDATE salesmanmaster23 set city='Pune';

➤ Output:

4 row(s) updated.

SALESMANNO	SALESMANNAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	SALAMT	TGTOGET	YTDSALES	REMARKS
S00001	Aman	A/14	Worli	Pune	400002	Maharatsra	3000	100	50	Good
S00002	Omkar	65	Nariman	Pune	400001	Maharatsra	3000	200	100	Good
S00003	Raj	P-7	Bandra	Pune	400032	Maharatsra	3000	200	100	Good
S00004	Ashish	A/5	Juhu	Pune	400044	Maharatsra	3000	200	100	Good

5. Change The Saleprice of Lycra Tops to Rs.350:

➤ Query:

→ UPDATE productmaster23 set sellprice=350 where description='Lycra Tops';

➤ **Output:**

```
1 row(s) updated.
```

PRODUCTNO	DESCRIPTION	PROFITPERCENT	UNITMASTER	QTYONHAND	RECORDLVL	SELLPRICE	COSTPRICE
P07975	Lycra Tops	5	Piece	70	30	350	175

6. Change The Address1, Address2, City, Pincode, State of Salesman No. S00002:

➤ **Query:**

→ UPDATE salesmanmaster23 SET
 address1='B-55', address2='Andheri est',
 city='Thane',pincode=560025,state='Hariyana' where
 salesmanno='S00002';

➤ **Output:**

```
1 row(s) updated.
```

SALESMANNO	SALESMANNAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	SALAMT	TGTOGET	YTDSALES	REMARKS
S00002	Omkar	B-55	Andheri est	Thane	560025	Hariyana	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:

➤ **Query:**

→ DELETE from salesmanmaster23 where salamt=3500;

➤ **Output:**

```
0 row(s) deleted.
```

2. Delete All Product from Productmaster23 Where the Quantity on Hand Is Equal To 100:

➤ **Query:**

→ DELETE from productmaster23 where qtyonhand=100;

➤ **Output:**

```
3 row(s) deleted.
```

3. Delete From Clientmaster23 Where The Column State Holds The Value 'Tamilnadu':

➤ **Query:**

→ DELETE from clientmaster23 where state='Tamilnadu';

➤ **Output:**

```
1 row(s) deleted.
```

• **Exercise on altering the table structure:**

1. Add A Column Called 'Telephone' of Datatype 'Number' and Size = '10' To the Clientmaster23 Table:

➤ **Query:**

→ ALTER table clientmaster23 add (telephone number(10));

➤ **Output:**

```
Table altered.
```

2. Change The Size of Saleprice Column in Productmaster23 To 10:

➤ **Query:**

→ ALTER table productmaster23 modify(sellprice number(10));

➤ **Output:**

```
Table altered.
```

3. Add Column Called Profit of Datatype 'Number' And Size= '12' To the Number (12):

➤ **Query:**

→ ALTER table productmaster23 add (profit number(12));

➤ **Output:**

```
Table altered.
```

4. Remove Column Profit from The Productmaster23:

➤ **Query:**

→ ALTER table productmaster23 drop column profit;

➤ **Output:**

```
Table dropped.
```

5. Change The Name Of The Salesmanmaster23 Table To sman_mast23:

➤ **Query:**

→ RENAME salesmanmaster23 to sman_mast23;

➤ **Output:**

```
Statement processed.
```

6. Destroy The Table Clientmaster23 Along with Its Data:

➤ **Query:**

→ DROP table clientmaster23;

➤ **Output:**

```
Table dropped.
```

The End