# Assignment-1

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#### **Exercise 1:** Create the tables described below.

a) Table Name: Client\_Master

Description: used to store information about clients.

+		+-		+		+
1	Column_Name	1	Data_Type	Si	ze 	1
1	ClientNo	ì	varchar2	1	6	İ
ì	Name	1	varchar2	1	20	1
i	Address1	Ì	varchar2	1	30	1
ì	Address2	1	varchar2	1	30	1
Ì	City	1	varchar2	1	15	1
Î	PinCode	1	Number	1	8	1
Î	State	1	varchar2	1	15	1
i	BalDue	1	Number	1	10	1
+		-+-		+		-+

b) Table Name: Product\_Master

Description: Used to store information about products.

1	Column_Name		Data_Type		Size	1
1	ProductNo	ĺ	varchar2	1	6	1
1	Description	1	varchar2	1	15	1
1	ProfitPercent	1	varchar2	l	4	1
1	UnitMeasure	1	varchar2	١	10	1
1	QtyOnHand	1	Number	I	8	1
1	RecorderLvi	1	Number	ĺ	8	i
1	SellPrice	1	Number	1	8	i
1	CostPrice	1	Number	ĺ	8	1

c) Table Name: Salesman\_Master

Description: Used to store information about salesman working in the company.

1	Column_Name	1	Data_Type	1	Size	1
+		-+-		+ -		+
1	SalesmanNo	- 1	varchar2	1	6	-1
1	SalesmanName		varchar2	1	20	1
1	Address1	1	varchar2	1	30	1
1	Address2	1	varchar2	l	30	1
1	City	1	varchar2	1	20	1
1	PinCode	1	Number	1	8	1
1	State	1	varchar2	I	20	1
1	SalAmt	1	Number	1	8	١
1	TgttoGet	1	Number	1	6	1
1	YtdSales	1	Number	1	6	1
1	Remarks	1	varchar2	I	60	1

#### **Answer:**

# a) Command:

CREATE TABLE Client\_Master(

- -> ClientNo VARCHAR(6),
- -> Name VARCHAR(20),
- -> Address1 VARCHAR(30),
- -> Address2 VARCHAR(30),
- -> City VARCHAR(15),
- -> PinCode INT(8),
  - -> Sate VARCHAR(15),
- -> BalDue INT(10));

## **Output:**

Query OK, 0 rows affected, 2 warnings (0.09 sec)

## **Command:**

DESC Client\_Master;

Field	Туре	Null	Key	Default	Extra
ClientNo Name Address1 Address2 City PinCode Sate BalDue	varchar(6) varchar(20) varchar(30) varchar(30) varchar(15) int varchar(15)	YES YES YES YES YES YES YES YES YES		NULL NULL NULL NULL NULL NULL NULL NULL	

## b) Command:

CREATE TABLE Product\_Master(

- -> ProductNo VARCHAR(6),
- -> Description VARCHAR(15),
- -> ProfitPercent VARCHAR(4),
- -> UnitMeasure VARCHAR(10),
- -> QtyOnHand INT,
- -> RecorderLvi INT,
- -> SellPrice INT,
- -> CostPrice INT);

## **Output:**

Query OK, 0 rows affected (0.04 sec)

#### **Command:**

DESC Product\_Master;

4		L	LJ	L	L	L	L
j	Field	Туре	•		Default	•	
	ProductNo Description ProfitPercent UnitMeasure QtyOnHand RecorderLvi SellPrice CostPrice	varchar(6) varchar(15) varchar(4) varchar(10) int int int	YES		NULL NULL NULL NULL NULL NULL NULL NULL		

## c) Command:

**CREATE TABLE Salesman Master(** 

- -> SalesmanNo VARCHAR(6),
- -> SalesmanName VARCHAR(20),
- -> Address1 VARCHAR(30),
- -> Address2 VARCHAR(30),
- -> City VARCHAR(20),
- -> PinCode INT,
- -> State VARCHAR(20),
- -> SalAmt INT,
- -> TgttoGet INT,
- -> YtdSales INT,
- -> Remarks VARCHAR(60));

#### **Output:**

Query OK, 0 rows affected (0.04 sec)

#### **Command:**

DESC Salesman Master;

## **Output:**

Field	Туре	Null	Кеу	Default	Extra
SalesmanNo   SalesmanName   Address1   Address2   City   PinCode   State   SalAmt   TgttoGet   YtdSales   Remarks	varchar(6) varchar(20) varchar(30) varchar(20) int varchar(20) int int int int varchar(60)	YES		NULL NULL NULL NULL NULL NULL NULL NULL	

**Exercise 2:** Insert the following data into the tables:

a) Data for Client Master Table.

ClientNo	Name +	- 1	Address1	1	Address2	1	City	1	PinCode	1		1	BailDue
C00001   C00002   C00003   C00004   C00005   C00006	Ivan Bayros   Mamta Muzum   Chhaya Bank   Ashwini Jos   Hansei Cola   Deepak Shar	dar   dar   ar   hi   co	Address1 Address1 Address1 Address1 Address1 Address1	1 1 1 1 1	Address2 Address2 Address2 Address2 Address2 Address2	111111	Mumbai Madras Mumbai Bangalore Mumbai Mangalore	11111	400001 780001 400057 560001 400060	1 1 1 1	Maharashtra Tamil Nadu Maharashtra Karnataka Maharashtra Karnataka	1 1 11 1	15000 0 5000 0 2000

## b) Data for Product\_Master Table.

ProductNo	ProductName	Quantity	1	Piece	1	QtyOnHand	ı	Tax	i	CostPrice	1	SalePrice
P00001	T-Shirts	5.00	i	Piece	1	200	i	50	+	350	+-	250
P0345	Shirts	1 6.00	1	Piece	1	150	i	50	i	500	ì	350
P06734 P07865	Cotton Jeans	1 5.00	1	Piece	1	100	1	20	i	600	i	450
P07868	Jeans	5.00	1	Piece		100	1	20	1	750	ì	500
P07885	Trousers   Pull Overs	2.00	1	Piece		150	1	50	1	850	î	550
P07868	Denim Shirts	2.50	1	Piece	. 9	150	1	50	1	850	i	550
P07868	Lycra Tops	1 4.00	1	Piece		100		40	1	350	1	250
P07868	Skirts	5.00	1	Piece		70		30	1	300	1	175
	+	5.00	1	Piece	- 1	75	1	30	1	450	1	300

## c) Data for Salesman Master Table.

SalesmanNo	SalesmanName 	Address1	Address2	1 City	1 P	inCode	State	1 5	alAmt	1	TgtToGet	YtdSales	Pemarks
\$00001   \$00002   \$00003   \$00004	Aman   Omkar   Raj   Ashish	I A/14 I 65 I P-7 I A/5	Nariman   Bandra   Juhu	Mumbai   Mumbai   Mumbai	1 4	400001   400032   400044	Maharashtra Maharashtra Maharashtra Maharashtra	1	3000 3000 3000		100   200   200   200	+	Good   Good   Good

#### **Answer:**

#### a) Command:

INSERT INTO Client\_Master

- -> VALUES
- -> ('C00001','Ivan

Bayross','Address1','Address2','Mumbai',400001,'Maharashtra',1500 0),

-> ('C00002','Mamta

Mazumdar','Address1','Address2','Madras',780001,'Tamil Nadu',0),

-> ('C00003','Chhaya

Bankar', 'Address1', 'Address2', 'Mumbai', 400057, 'Maharashtra', 5000)

-> ('C00004','Ashwini

Joshi', 'Address1', 'Address2', 'Bangalore', 560001, 'Karnataka', 0),

```
-> ('C00005','Hansei
```

Colaco','Address1','Address2','Mumbai',400060,'Maharashtra',2000)

-> ('C00006','Deepak

Sharma','Address1','Address2','Mangalore',560050,'Karnataka',0);

## **Output:**

Query OK, 6 rows affected (0.02 sec)

Records: 6 Duplicates: 0 Warnings: 0

#### **Command:**

SELECT \* FROM Client Master;

#### **Output:**

+		<b>_</b>	L	L	L	+		
ClientNo	Name	Address1 +	Address2	City	PinCode	•	BalDue	
C00001   C00002   C00003   C00004   C00005	Ivan Bayross   Mamta Mazumdar   Chhaya Bankar   Ashwini Joshi   Hansei Colaco   Deepak Sharma	Address1   Address1   Address1   Address1   Address1	Address2 Address2 Address2 Address2 Address2 Address2	Mumbai   Madras	400001   780001   400057   560001   400060	Maharashtra   Tamil Nadu   Maharashtra   Karnataka   Maharashtra   Karnataka	15000     0     5000     0     2000	

#### **b)** Command:

INSERT INTO Product\_Master

- -> VALUES
- -> ('P0001', 'T-shirts', '5.00', 'Piece',200,50,350,250),
- -> ('P0345', 'Shirts', '6.00', 'Piece', 150, 50, 500, 350),
- -> ('P06734', 'Cotton Jeans', '5.00', 'Piece', 100, 20, 600, 450),
- -> ('P07865', 'Jeans', '5.00', 'Piece',100,20,750,500),
- -> ('P07868', 'Trousers', '2.00', 'Piece',150,50,850,550),
- -> ('P07885','Pull Overs', '2.50', 'Piece', 150,50,850,550),
- -> ('P07868', 'Denim Shirts', '4.00', 'Piece', 100,40,350,250),
- -> ('P07868', 'Lycra Tops', '5.00', 'Piece', 70,30,300,175),
- -> ('P07868', 'Skirts', '5.00', 'Piece', 75,30,450,300);

#### **Output:**

Query OK, 9 rows affected (0.01 sec)

#### **Command:**

#### SELECT \* FROM Product Master;

#### **Output:**

ProductNo	ProductName	Quantity	Piece	QtyOnHand	Tax	CostPrice	SellPrice
P0001   P0345   P06734   P07865   P07868   P07885   P07868   P07868	T-shirts Shirts Cotton Jeans Jeans Trousers Pull Overs Denim Shirts Lycra Tops Skirts	5.00 6.00 5.00 5.00 2.00 2.50 4.00 5.00 5.00	Piece Piece Piece Piece Piece Piece Piece	200 150 100 100 150 150 100 70	50 50 20 20 50 50 50 40 30	350 500 600 750 850 850 350 300 450	250   350   450   500   550   550   250   175   300

#### c) Command:

INSERT INTO Salesman\_Master

- -> VALUES
- -> ('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/7', 'Juhu', 'Mumbai', '400044',
- 'Maharashtra', 3500,200,150,'Good');

## **Output:**

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

## **Command:**

SELECT \* FROM Salesman\_Master;

#### **Output:**

i	SalesmanNo	SalesmanName	Address1	Address2	   City	PinCode	State	   SalAmt	TgttoGet	YtdSales	+   Remarks
	\$00001	Aman	A/14	Worli	Mumbai	400002	Maharashtra	3000	100	50	Good
	\$00002	Omkar	65	Wariman	Mumbai	400001	Maharashtra	3000	200	100	Good
	\$00003	Raj	P-7	Bandra	Mumbai	400032	Maharashtra	3000	200	100	Good
	\$00004	Ashish	A/7	Juhu	Mumbai	400044	Maharashtra	3500	200	150	Good

## **Exercise 3:** Exercise on retrieving the data.

- a) Find out the name of all the clients.
- b) Retrieve the entire contents of the Client\_Master table.

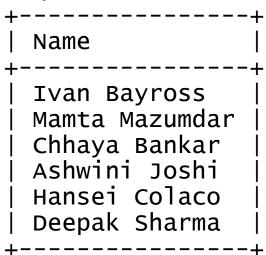
- c) Retrieve the list of names, city and the state of all the clients.
- d) List the various products available from the Product\_Master table.
- e) List all the clients who live in Mumbai.
- f) Find the names of salesman who have a salary equal to Rs. 3000.

#### **Answer:**

#### a) Command:

SELECT Name FROM Client\_Master;

## **Output:**



#### b) Command:

SELECT \* FROM Client Master;

#### **Output:**

ClientNo	Name	Address1	Address2	City	PinCode	Sate	BalDue
C00001   C00002   C00003   C00004   C00005   C00006	Ivan Bayross   Mamta Mazumdar   Chhaya Bankar   Ashwini Joshi   Hansei Colaco   Deepak Sharma	Address1   Address1   Address1   Address1   Address1   Address1	Address2 Address2 Address2 Address2 Address2 Address2	Mumbai   Madras   Mumbai   Bangalore   Mumbai   Mangalore	400001   780001   400057   560001   400060   560050	Maharashtra Tamil Nadu Maharashtra Karnataka Maharashtra Karnataka	15000     0     5000     0     2000

#### c) Command:

SELECT Name, City, State FROM Client\_Master;

+		+
Name	City	Sate
Ivan Bayross	Mumbai	Maharashtra
Mamta Mazumdar	Madras	Tamil Nadu
Chhaya Bankar	Mumbai	Maharashtra
Ashwini Joshi	Bangalore	Karnataka
Hansei Colaco	Mumbai	Maharashtra
Deepak Sharma	Mangalore	Karnataka

## d) Command:

SELECT ProductName FROM Product\_Master;

## **Output:**



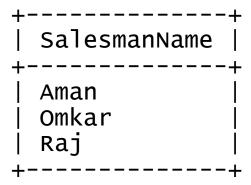
# e) Command:

SELECT Name FROM Client\_Master
-> WHERE City = 'Mumbai';

#### f) Command:

SELECT SalesmanName FROM Salesman\_Master
-> WHERE SalAmt = 3000;

#### **Output:**



**Exercise 4:** Exercise on the updating the records in the table.

- a) Change the city of ClientNo 'C00005' to Banglore.
- b) Change the BalDue of ClientNo 'C00001' to Rs 1000.
- c) Change the cost price of 'Trousers' to Rs. 950.00.
- d) Change the city of the salesman to Pune.

#### **Answer:**

## a) Command:

UPDATE Client\_Master SET City = 'Bangalore'
-> WHERE ClientNo = 'C00005';

## **Output:**

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

#### **Command:**

## SELECT \* FROM Client Master;

#### **Output:**

ClientNo	+   Name		Address2	City	PinCode		BalDue
C00001   C00002   C00003   C00004   C00005	Ivan Bayross   Mamta Mazumdar   Chhaya Bankar   Ashwini Joshi   Hansei Colaco   Deepak Sharma	Address1 Address1 Address1 Address1 Address1 Address1		Mumbai Madras Mumbai Bangalore Bangalore Mangalore	400001 780001 400057 560001 400060 560050	Maharashtra Tamil Nadu Maharashtra Karnataka Maharashtra Karnataka	15000   0   5000   0   2000

## **b)** Command:

UPDATE Client\_Master SET BalDue = 1000

-> WHERE ClientNo = 'C00001';

## **Output:**

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

**Command:** 

SELECT \* FROM Client\_Master;

## **Output:**

ClientNo	+		Address2	+   City	PinCode	+	++   BalDue
C00001   C00002   C00003   C00004   C00005   C00006	Ivan Bayross   Mamta Mazumdar   Chhaya Bankar   Ashwini Joshi   Hansei Colaco   Deepak Sharma	Address1 Address1 Address1 Address1 Address1 Address1	Address2 Address2 Address2 Address2 Address2 Address2	Mumbai   Madras   Mumbai   Bangalore   Bangalore   Mangalore	400001 780001 400057 560001 400060 560050	Maharashtra   Tamil Nadu   Maharashtra   Karnataka   Maharashtra   Karnataka	1000   0   5000   0   2000

#### c) Command:

**UPDATE Product** Master SET CostPrice = 950

-> WHERE ProductName = 'Trousers';

## **Output:**

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

#### Command:

SELECT \* FROM Product\_Master;

ProductNo	ProductName	Quantity	Piece	QtyOnHand	Тах	CostPrice	SellPrice
P0001   P0345   P06734   P07865   P07868   P07868   P07868   P07868   P07868	T-shirts Shirts Cotton Jeans Jeans Trousers Pull Overs Denim Shirts Lycra Tops	5.00 6.00 5.00 5.00 2.00 2.50 4.00 5.00	Piece Piece Piece Piece Piece Piece Piece Piece	200 150 100 100 150 150 100 70	50 50 20 20 50 50 40 30 30	350 500 600 750 950 850 350 300 450	250 350 450 500 550 550 250 175 300

# d) Command:

UPDATE Salesman\_Master SET City = 'Pune';

# **Output:**

Query OK, 4 rows affected (0.01 sec)

Rows matched: 4 Changed: 4 Warnings: 0

#### **Command:**

SELECT \* FROM Salesman\_Master;

SalesmanNo	SalesmanName	Address1	Address2	City	PinCode	State	SalAmt	TgttoGet	YtdSales	Remarks
S00001   S00002   S00003   S00004	Aman Omkar Raj Ashish	A/14   65   P-7   A/7	Worli   Nariman   Bandra   Juhu	Mumbai   Mumbai   Mumbai   Mumbai	400002 400001 400032 400044	Maharashtra Maharashtra Maharashtra Maharashtra	3000 3000 3000 3500	100 200 200 200 200	50 100 100 150	Good Good Good Good