

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.

Column_Name	Data_Type	Size
ClientNo	varchar2	6
Name	varchar2	20
Address1	varchar2	30
Address2	varchar2	30
City	varchar2	15
PinCode	Number	8
State	varchar2	15
BalDue	Number	10

b) Table Name: Product_Master

Description: Used to store information about products.

Column_Name	Data_Type	Size
ProductNo	varchar2	6
Description	varchar2	15
ProfitPercent	varchar2	4
UnitMeasure	varchar2	10
QtyOnHand	Number	8
RecorderLvi	Number	8
SellPrice	Number	8
CostPrice	Number	8

c) Table Name: Salesman_Master

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

Column_Name	Data_Type	Size
SalesmanNo	varchar2	6
SalesmanName	varchar2	20
Address1	varchar2	30
Address2	varchar2	30
City	varchar2	20
PinCode	Number	8
State	varchar2	20
SalAmt	Number	8
TgttoGet	Number	6
YtdSales	Number	6
Remarks	varchar2	60

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;
```

Output:

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

8 rows in set (0.01 sec)

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;
```

Output:

Field	Type	Null	Key	Default	Extra
ProductNo	varchar(6)	YES		NULL	
Description	varchar(15)	YES		NULL	
ProfitPercent	varchar(4)	YES		NULL	
UnitMeasure	varchar(10)	YES		NULL	
QtyOnHand	int	YES		NULL	
RecorderLvi	int	YES		NULL	
SellPrice	int	YES		NULL	
CostPrice	int	YES		NULL	

8 rows in set (0.02 sec)

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	Type	Null	Key	Default	Extra
SalesmanNo	varchar(6)	YES		NULL	
SalesmanName	varchar(20)	YES		NULL	
Address1	varchar(30)	YES		NULL	
Address2	varchar(30)	YES		NULL	
City	varchar(20)	YES		NULL	
PinCode	int	YES		NULL	
State	varchar(20)	YES		NULL	
SalAmt	int	YES		NULL	
TgtToGet	int	YES		NULL	
YtdSales	int	YES		NULL	
Remarks	varchar(60)	YES		NULL	

11 rows in set (0.00 sec)

Exercise 2: Insert the following data into the tables:

a) Data for Client_Master Table.

ClientNo	Name	Address1	Address2	City	PinCode	State	BailDue
C00001	Ivan Bayross	Address1	Address2	Mumbai	400001	Maharashtra	15000
C00002	Mamta Muzumdar	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	Hansea Colaco	Address1	Address2	Mumbai	400060	Maharashtra	2000
C00006	Deepak Sharma	Address1	Address2	Mangalore	560050	Karnataka	0

b) Data for Product_Master Table.

ProductNo	ProductName	Quantity	Piece	QtyOnHand	Tax	CostPrice	SalePrice
P00001	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

c) Data for Salesman_Master Table.

SalesmanNo	SalesmanName	Address1	Address2	City	PinCode	State	SalAmt	TgtToGet	YtdSales	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	3500	200	150	Good

Answer:

a) Command:

```
INSERT INTO Client_Master
```

```
-> VALUES
```

```
-> ('C00001','Ivan  
Bayross','Address1','Address2','Mumbai',400001,'Maharash  
htra',15000),
```

```
-> ('C00002','Mamta  
Mazumdar','Address1','Address2','Madras',780001,'Tamil  
Nadu',0),
```

```
-> ('C00003','Chhaya  
Bankar','Address1','Address2','Mumbai',400057,'Maharash  
tra',5000),
```

```
-> ('C00004','Ashwini  
Joshi','Address1','Address2','Bangalore',560001,'Karnataka'  
,0),
```

```
-> ('C00005','Hansei  
Colaco','Address1','Address2','Mumbai',400060,'Maharash  
tra',2000),
```

```
-> ('C00006','Deepak  
Sharma','Address1','Address2','Mangalore',560050,'Karnat  
aka',0);
```

Output:

Query OK, 6 rows affected (0.02 sec)

Records: 6 Duplicates: 0 Warnings: 0

Command:

```
SELECT * FROM Client_Master;
```


Output:

ClientNo	Name	Address1	Address2	City	PinCode	State	BalDue
C00001	Ivan Bayross	Address1	Address2	Mumbai	400001	Maharashtra	15000
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

6 rows in set (0.00 sec)

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	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

9 rows in set (0.00 sec)

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:

SalesmanNo	SalesmanName	Address1	Address2	City	PinCode	State	SalAmt	TgttoGet	YtdSales	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/7	Juhu	Mumbai	400044	Maharashtra	3500	200	150	Good

4 rows in set (0.00 sec)

Exercise 3: Exercise on retrieving the data.

- Find out the name of all the clients.
- Retrieve the entire contents of the Client_Master table.
- Retrieve the list of names, city and the state of all the clients.
- List the various products available from the Product_Master table.
- List all the clients who live in Mumbai.
- Find the names of salesman who have a salary equal to Rs. 3000.

Answer:

a) Command:

```
SELECT Name FROM Client_Master;
```

Output:

Name
Ivan Bayross
Mamta Mazumdar
Chhaya Bankar
Ashwini Joshi
Hansei Colaco
Deepak Sharma

6 rows in set (0.01 sec)

b) Command:

```
SELECT * FROM Client_Master;
```

Output:

ClientNo	Name	Address1	Address2	City	PinCode	State	BalDue
C00001	Ivan Bayross	Address1	Address2	Mumbai	400001	Maharashtra	15000
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

6 rows in set (0.00 sec)

c) Command:

SELECT Name, City, State FROM Client_Master;

Output:

Name	City	State
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

6 rows in set (0.00 sec)

d) Command:

SELECT ProductName FROM Product_Master;

Output:

ProductName
T-shirts
Shirts
Cotton Jeans
Jeans
Trousers
Pull Overs
Denim Shirts
Lycra Tops
Skirts

9 rows in set (0.00 sec)

e) Command:

SELECT Name FROM Client_Master
-> WHERE City = 'Mumbai';

Output:

Name
Ivan Bayross
Chhaya Bankar
Hansei Colaco

3 rows in set (0.00 sec)

f) Command:

```
SELECT SalesmanName FROM Salesman_Master  
-> WHERE SalAmt = 3000;
```

Output:

SalesmanName
Aman
Omkar
Raj

3 rows in set (0.00 sec)

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

- a) Change the city of ClientNo 'C00005' to Bangalore.
- 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	Address1	Address2	City	PinCode	State	BalDue
C00001	Ivan Bayross	Address1	Address2	Mumbai	400001	Maharashtra	15000
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	Bangalore	400060	Maharashtra	2000
C00006	Deepak Sharma	Address1	Address2	Mangalore	560050	Karnataka	0

6 rows in set (0.01 sec)

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	Name	Address1	Address2	City	PinCode	State	BalDue
C00001	Ivan Bayross	Address1	Address2	Mumbai	400001	Maharashtra	1000
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	Bangalore	400060	Maharashtra	2000
C00006	Deepak Sharma	Address1	Address2	Mangalore	560050	Karnataka	0

6 rows in set (0.01 sec)

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;
```

Output:

ProductNo	ProductName	Quantity	Piece	QtyOnHand	Tax	CostPrice	SellPrice
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	950	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

9 rows in set (0.00 sec)

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;
```

Output:

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

4 rows in set (0.00 sec)