

Answers to Interactive Sql Exercise

STEP-1 SQL Statement for creating the tables:

a) Table Name: CLIENT_MASTER

```
CREATE TABLE CLIENT_MASTER(CLIENTNO varchar2(6),NAME varchar2(20),ADDRESS1  
varchar2(30),ADDRESS2 varchar2(30),CITY varchar2(15),PINCODE number(8), STATE  
varchar2(15),BALDUE number(10,2));
```

b) Table Name: PRODUCT_MASTER

```
CREATE TABLE PRODUCT_MASTER(PRODUCTNO varchar2(6),DESCRIPTION varchar2(15),  
PROFITPERCENT number(4,2),UNITMEASURE varchar2(10),QTYONHAND number(8),  
REORDERLVL number(8),SELLPRICE number(8,2),COSTPRICE number(8,2));
```

c) Table Name: SALESMAN_MASTER

```
CREATE TABLE SALESMAN_MASTER(SALESMANNO varchar2(6),SALESMANNAME  
varchar2(20),ADDRESS 1 varchar2(30),ADDRESS2 varchar2(30),CITY  
varchar2(20),PINCODE number(8),STATE varchar2(20),SALAMT number(8,2),TGTOGET  
number(6,2),YTDSALES number(6,2),REMARKS varchar2(60));
```

STEP-2 SQL Statement for inserting into their respective tables:

a) Data for CLIENT_MASTER table:

```
INSERT INTO Client_Master(ClientNo,Name,City,PinCode,State,BalDue)  
VALUES('C00001','Ivan Bayross','Mumbai',400054,'Maharashtra',15000);  
INSERT INTO Client_Master(ClientNo,Name,City,PinCode,State,BalDue)  
VALUES('C00002','Mamta Muzumdar','Madras",780001,'Tamil Nadu',0);  
INSERT INTO Client_Master(ClientNo,Name,City,Pincode,State,BalDue)  
VALUES('C00003','Chhaya Bankar','Mumbai',400057,'Maharashtra',5000);  
INSFRT INTO Client_Master(ClientNo,Name,City,PinCode,State,BalDue)  
VALUES('C00004','Ashwini Joshi','Bangalore',560001,'Karnataka',0);  
INSERT INTO Client_Master(ClientNo,Name,City,PinCode,State,BalDue)  
VALUES('C00005','Hansel Colaco','Mumbai',400060,'Maharashtra',2000);  
INSERT INTO Client_Master(ClientNo,Name,City,PinCode,State,BalDue)  
VALUES ('C00006','Deepak Sharma','Mangalore',560050,'Karnataka',0);
```

b) Data for PRODUCT_MASTER table

```
INSERT INTO Product_Master VALUES('P00001','T-Shirts',5,'Piece',200,50,350,250);  
INSERT INTO Product_Master VALUES('P03453','Shirts',6,'Piece',150,50,500,350);  
INSERT INTO Product_Master VALUES('P06734','Cotton Jeans',5,'Piece',100,20,600,450);  
INSERT INTO Product_Master VALUES('P07865','Jeans',5,'Piece',100,20,750,500);  
INSERT INTO Product_Master VALUES('P07868','Trousers',2,'Piece',150,50,850,550);  
INSERT INTO Product_Master VALUES('P07885','Pull Overs',2.5,'Piece',80,30,700,450);  
INSERT INTO Product_Master VALUES('P07965','Denim Shirts',4,'Piece',100,40,350,250);  
INSERT INTO Product_Master VALUES('P07975','Lycra Tops',5,'Piece',70,30,300,175);  
INSERT INTO Product_Master VALUES('P08865','Skirts',5,'Piece',75,30,450,300);
```

c) Data for SALESMAN_MASTER table

```
INSERT INTO Salesman_Master VALUES('S00001','Aman','A/14','Worii','Mumbai',400002,
'Maharashtra',3000,100,50,'Good');
INSERT INTO Salesman_Master VALUES('S00002','Omkar','65','Nariman','Mumbai',400001,
'Maharashtra',3000,200,100,'Good');
INSERT INTO Salesman_Master VALUES('S00003','Raj','P-7','Bandra','Mumbai',400032,
'Maharashtra',3000,200,100,'Good');
INSERT INTO Salesman_Master VALUES('S00004','Ashish','A/5','Mm','Bombay',400044,
'Maharashtra',3500,200,150,'Good');
```

Answers to Questions

a) Find out the names of all the clients.

```
SELECT Name FROM Client_Master;
```

b) Retrieve the entire contents of the Client_Master table.

```
SELECT * FROM ClientMaster;
```

c) Retrieve the list of names, city and the state of all the clients.

```
SELECT Name, City, State FROM Client_Master;
```

d) List the various products available from the Product_Master table.

```
SELECT Description FROM Product_Master;
```

e) List all the clients who are located in Mumbai.

```
SELECT * FROM Client_Master WHERE City='Mumbai';
```

f) Find the names of salesmen who have a salary equal to Rs.3000.

```
SELECT Salesman_name FROM Salesman_Master WHERE SalAmt=3000;
```

g) Change the city of ClientNo 'C00005' to 'Bangalore'.

```
UPDATE Client_Master SET City='Bangalore' WHERE Client_No = 'C00005';
```

h) Change the BalDue of ClientNo 'C00001' to Rs. 1000.

```
UPDATE Client_Master SET BalDue=1000 WHERE Client_no='C00001';
```

i) Change the cost price of 'Trousers' to Rs. 950.00.

```
UPDATE Product_Master SET CostPrice = 950.00 WHERE Description = 'Trousers';
```

j) Change the city of the salesman to Pune.

```
UPDATE Client_Master SET City = 'Pune';
```

k) Change the size of SellPrice column in Product_Master to 10,2.

```
ALTER TABLE Product_Master MODIFY (SellPrice number(10,2));
```

l) Destroy the table Client_Master along with its data.

```
DROP TABLE Client_Master;
```

m) Change the name of the Salesman_Master table to sman_mast.

```
RENAME Salesman_Master To sman_mast;
```