

Assignment :-1

- Create the following tables using the schema given below and insert given data set accordingly.

1. Table Name :- Client_master

Description:- Used to store client information.

Code:-

Creation of table:-

```
create table Client_Master  
( Client_no varchar2(6) Primary key check (Client_no like 'C%'),  
Name varchar2(30) Not Null,  
Address1 varchar2(30),  
Address2 varchar2(30),  
City varchar2(15),  
State varchar2(15),  
pincode Number(6),  
Balance_due Number (10,2) );
```

Insert the Data in the table:-

```
Insert into Client_Master values  
( 'C001', 'Ivan Bayross', 'P-76', 'Worli', 'Bombay', 'Maharastra', 400054, 150.00);  
Insert into Client_Master values  
( 'C002', 'Vandana Satiwal', '128', 'Adams Street', 'Madras', 'Tamil Nadu', 780001, 0.00);  
Insert into Client_Master values  
( 'C003', 'Pramada Jaguste', '157', 'Gopalpur', 'Kolkata', 'West Bengal', 700058, 500.00);  
Insert into Client_Master values  
( 'C004', 'Basu Navindgi', 'A/12', 'Nariman', 'Bombay', 'Maharastra', 400056, 0.00);  
Insert into Client_Master values  
( 'C005', 'Ravi Sreedharan', 'B/34', 'Rajnagar', 'Delhi', 'Delhi', 100001, 200.00);  
Insert into Client_Master values  
( 'C006', 'Rukmini', 'Q-12', 'Bandra', 'Bombay', 'Maharastra', 400050, 0.00);
```

Output:-

```
SQL> set linesize 200
SQL> set pagesize 200
SQL> select * from Client_Master;
```

CLIENT NAME	ADDRESS1	ADDRESS2	CITY	STATE	PINCODE	BALANCE_DUE
C001	Ivan Bayross	P-76	Worli	Maharastra	400054	150
C002	Vandana Satimal	128	Adams Street	Tamil Nadu	780001	0
C003	Pramada Jaguste	157	Gopalpur	Kolkata	700058	500
C004	Basu Navindgi	A/12	Nariman	Maharastra	400056	0
C005	Ravi Sreedharan	B/34	Rajnagar	Delhi	100001	200
C006	Rukmini	Q-12	Bandra	Maharastra	400050	0

```
6 rows selected.
```

```
SQL>
```

2. Table Name :- product_master

Description:- Used to store product information.

Code:-

Creation of table:-

```
create table Product_Master
```

```
( Product_no varchar2(6) Primary key check (Product_no like 'P%'),
```

```
Description varchar2(40) Not Null,
```

```
Profit_percent Number (4,2) Not Null,
```

```
Unit_measure varchar2(10) Not Null,
```

```
Qty_on_hand Number (8) Not Null,
```

```
Reorder_level Number (8) Not Null,
```

```
Sell_price Number (8,2) Not Null check ( Sell_price > 0),
```

```
Cost_price Number (8,2) Not Null check ( Cost_price > 0) );
```

Insert the Data in the table:-

```
Insert into Product_Master values
```

```
( 'P00001', '1.44 Floppies', 5, 'Piece', 100, 20, 525, 500);
```

```
Insert into Product_Master values
```

```
( 'P03453', 'Monitors', 6, 'Piece', 10, 3, 12000, 11280);
```

```
Insert into Product_Master values
```

('P06734', 'Mouse', 5, 'Piece', 20, 5, 1050, 1000);

Insert into Product_Master values

('P07865', '1.22 Floppies', 5, 'Piece', 100, 20, 525, 500);

Insert into Product_Master values

('P07868', 'Keyboard', 2, 'Piece', 10, 3, 3150, 3050);

Insert into Product_Master values

('P07885', 'CD Drive', 2.5, 'Piece', 10, 3, 5250, 5100);

Insert into Product_Master values

('P07965', '540 HDD', 4, 'Piece', 10, 3, 8400, 8000);

Insert into Product_Master values

('P07975', '1.44 Drive', 5, 'Piece', 10, 3, 1050, 900);

Insert into Product_Master values

('P08865', '1.22 Drive', 5, 'Piece', 2, 3, 1025, 850);

Output:-

```
SQL> set pagesize 200
SQL> set linesize 200
SQL> select * from Product_Master;
```

PRODUC	DESCRIPTION	PROFIT_PERCENT	UNIT_MEASU	QTY_ON_HAND	REORDER_LEVEL	SELL_PRICE	COST_PRICE
P00001	1.44 Floppies	5	Piece	100	20	525	500
P03453	Monitors	6	Piece	10	3	12000	11200
P06734	Mouse	5	Piece	20	5	1050	1000
P07865	1.22 Floppies	5	Piece	100	20	525	500
P07868	Keyboard	2	Piece	10	3	3150	3050
P07885	CD Drive	2.5	Piece	10	3	5250	5100
P07965	540 HDD	4	Piece	10	3	8400	8000
P07975	1.44 Drive	5	Piece	10	3	1050	900
P08865	1.22 Drive	5	Piece	2	3	1025	850

9 rows selected.

SQL>

3. Table Name :- salesman_master

Description:- Used to store salesman working for company.

Code:-

Creation of table:-

```

create table Salesman_Master
( Salesman_no VARCHAR2(6) Primary Key check (Salesman_no LIKE 'S%'),
Salesman_name VARCHAR2(30) not null,
Address1 VARCHAR2(30) not null,
Address2 VARCHAR2(30),
City VARCHAR2(20),
Pincode NUMBER(8),
State VARCHAR2(20),
Sal_amt NUMBER(8,2) not null check (Sal_amt > 0) );

```

Insert the Data in the table:-

```

insert into Salesman_Master values
('S001','Kiran', 'A/14', 'Worli', 'Bombay', 400002, 'Maharastra', 3000);

insert into Salesman_Master values
('S002', 'Manish', '65', 'Nariman', 'Bombay', 400001, 'Maharastra', 3000);

insert into Salesman_Master values
('S003', 'Ravi', 'P-7', 'Bandra', 'Bombay', 400032, 'Maharastra', 3000);

insert into Salesman_Master values
('S004', 'Asish', 'A/5', 'Juhu', 'Bombay', 400044, 'Maharastra', 3000);

```

Output:-

```

SQL>
SQL> set pagesize 200
SQL> set linesize 200
SQL> select * from Salesman_Master;

```

SALESM	SALESMAN_NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE
SAL_AMT						
S001	Kiran	A/14	Worli	Bombay	400002	Maharastra
S002	Manish	65	Nariman	Bombay	400001	Maharastra
S003	Ravi	P-7	Bandra	Bombay	400032	Maharastra
S004	Asish	A/5	Juhu	Bombay	400044	Maharastra

```
SQL> |
```

4 .Table Name :- Sales_order;

Description:- Used to store client's order..

Code:-

Creation of table:-

```
CREATE TABLE Sales_Order (  
    Order_no VARCHAR2(6) primary key check (Order_no LIKE 'O%'),  
    Order_date DATE,  
    Client_no VARCHAR2(6) references Client_Master(Client_no),  
    Salesman_no VARCHAR2(6) references Salesman_master(Salesman_no),  
    Delivery_type CHAR(1) default 'F' check (Delivery_type IN ('P', 'F')),  
    Bill_y_n CHAR(1) check (Bill_y_n IN ('Y', 'N')),  
    Delivery_date DATE,  
    Order_status VARCHAR2(10) check (Order_status IN ('InProgress', 'Fulfilled', 'BackOrder',  
'Cancelled')) );
```

Insert the Data in the table:-

insert into Sales_Order values

```
('O19001', TO_DATE('12-Jan-96', 'DD-Mon-YY'), 'C001', 'S001', 'F', 'N', TO_DATE('20-Jan-96',  
'DD-Mon-YY'), 'InProgress');
```

insert into Sales_Order values

```
('O19002', TO_DATE('25-Jan-96', 'DD-Mon-YY'), 'C002', 'S002', 'P', 'N', TO_DATE('27-Jan-96',  
'DD-Mon-YY'), 'BackOrder');
```

insert into Sales_Order values

```
('O46865', TO_DATE('18-Feb-96', 'DD-Mon-YY'), 'C003', 'S003', 'F', 'Y', TO_DATE('20-Feb-96',  
'DD-Mon-YY'), 'Fulfilled');
```

insert into Sales_Order values

```
('O19003', TO_DATE('03-Apr-96', 'DD-Mon-YY'), 'C001', 'S001', 'F', 'Y', TO_DATE('07-Apr-96',  
'DD-Mon-YY'), 'Fulfilled');
```

insert into Sales_Order values

```
('O46866', TO_DATE('20-May-96', 'DD-Mon-YY'), 'C004', 'S002', 'P', 'N', TO_DATE('22-May-96',  
'DD-Mon-YY'), 'Cancelled');
```

insert into Sales_Order values

```
('O19008', TO_DATE('24-May-96', 'DD-Mon-YY'), 'C005', 'S004', 'F', 'N', TO_DATE('26-May-96',  
'DD-Mon-YY'), 'InProgress');
```

5Output:-

```
SQL> set pagesize 200
SQL> set linesize 200
SQL> select * from Sales_Order;

ORDER_ ORDER_DAT CLIENT SALESM D B DELIVERY_ ORDER_STAT
-----
019001 12-JAN-96 C001 S001 F N 20-JAN-96 InProcess
019002 25-JAN-96 C002 S002 P N 27-JAN-96 BackOrder
046865 18-FEB-96 C003 S003 F Y 20-FEB-96 Fulfilled
019003 03-APR-96 C001 S001 F Y 07-APR-96 Fulfilled
046866 20-MAY-96 C004 S002 P N 22-MAY-96 Cancelled
019008 24-MAY-96 C005 S004 F N 26-MAY-96 InProcess

6 rows selected.
```

5. Table Name :- Sales_order_details;

Description:- Used to store client's orders with details of each product ordered..

Code:-

Creation of table:-

```
CREATE TABLE Sales_order_details
( Order_no VARCHAR2(6) references Sales_Order(Order_no),
Product_no VARCHAR2(6) references Product_master(Product_no),
Qty_ordered NUMBER(8),
Qty_disp NUMBER(8),
Product_rate NUMBER(10, 2) );
```

Insert the Data in the table:-

```
insert into Sales_order_details values
('019001','P00001',4,4,525);
insert into Sales_order_details values
('019001','P07965',2,1,8400);
insert into Sales_order_details values
('019001','P07885',2,1,5250);
insert into Sales_order_details values
('019002','P00001',10,0,525);
insert into Sales_order_details values
('046865','P07868',3,3,3150);
```

insert into Sales_order_details values

('O46865','P07885',3,1,52500);

insert into Sales_order_details values

('O46865','P00001',10,10,525);

insert into Sales_order_details values

('O46865','P03453',4,4,1050);

insert into Sales_order_details values

('O19003','P03453',2,2,1050);

insert into Sales_order_details values

('O19003','P06734',1,1,12000);

insert into Sales_order_details values

('O46866','P07965',1,0,8400);

insert into Sales_order_details values

('O46866','P07975',1,0,1050);

insert into Sales_order_details values

('O19008','P00001',10,5,525);

insert into Sales_order_details values

('O19008','P07975',5,3,1050);

Output:-

```
SQL> set linesize 500
SQL> set pagesize 500
SQL> select * from Sales_order_details;

ORDER_  PRODUC  QTY_ORDERED  QTY_DISP  PRODUCT_RATE
-----  -
019001  P00001      4            4          525
019001  P07965      2            1         8400
019001  P07885      2            1         5250
019002  P00001     10            0          525
046865  P07868      3            3         3150
046865  P07885      3            1        52500
046865  P00001     10           10          525
046865  P03453      4            4          1050
019003  P03453      2            2          1050
019003  P06734      1            1        12000
046866  P07965      1            0         8400
046866  P07975      1            0          1050
019008  P00001     10            5          525
019008  P07975      5            3          1050

14 rows selected.

SQL> |
```