Assignment - 1

Table Name - client_master

Description - Used to store client information

```sql
SQL> CREAT TABLE CLIENT_MASTER(
  2  CLIENT_NO  VARCHAR2 (6)  PRIMARY KEY CHECK (CLIENT_NO LIKE 'C%'),
  3  NAME  VARCHAR2(30)  NOT NULL,
  4  ADDRESS1   VARCHAR2(30),
  5  ADDRESS2  VARCHAR2(30),
  6  CITY   VARCHAR2 (15),
  7  STATE  VARCHAR2 (15),
  8  PINCODE  NUMBER (6),
  9  BALANCE_DUE  NUMBER (10,2),
  );
```

~~TABLE C~~

Table created.

```sql
SQL> INSERT INTO CLIENT_MASTER (CLIENT_NO, NAME, ADDRESS1,
        ADDRESS2, CITY, STATE, PINCODE, BALANCE_DUE)
  2  VALUES ('C001', 'IVAN BAYROS', 'P-76', 'WORLI', 'BOMBAY',
        'MAHARASTRA', 400 054, 15000);
```

1 row created.

⋮

6 rows created

```sql
SQL> select * from CLIENT_MASTER;
```

CLIENT_NO	NAME	ADDRESS1	ADDRESS2	CITY	STATE	PINCODE	BALANCE_DUE
C001	IVAN BAYROS	P-76	WORLI	BOMBAY	MAHARASTRA	400054	15000
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

6 rows selected.

Table Name - ~~pode~~ product-master:
Description - Used to store product information

```
SQL> Creat table product-master (
  2   Product-no    Varchar2 (6) Primary key Check (Product-no like 'P%),
  3   Description   Varchar2 (40) NOT NULL,
  4   Profit-percent Number (4,2) NOT NULL,
  5   Unit - measure Varchar 2 (10) NOT NULL,
  6   Qty-no-hand   Number (8) NOT NULL,
  7   Reorder-live  Number (8) NOT NULL,
  8   Sell-price Number (8,2) NOT NULL Check (Sell-price > 0),
  9   Cost- price Number (8,2) NOT NULL Check (Cost-price > 0)
  );
```

Table created.

```
SQL> Insert into product-master (Product-no, Description, Profit-percent,
                     Unit-measure, Qty-no-hand, Reorder-level, Sell-price,
                     Cost-price)
  2   Values ('P00001', '1.44 Floppies ', 5, 'Piece', 100, 20, 525, 500);
```

1 row created.

. . . .
. . . .
. . . .

9 rows created

```
SQL> select * from product-master;
```

PRODUCT_NO	DESCRIPTION	PROFIT_PERCENT	UNIT_MEASURE	QTY_ON_HAND
P00001	1.44 FLOPPIES	5	PIECE	100

REORDER_LEVEL	SELL-PRICE	COST_PRICE
20	525	500

9 rows selected.

Table Name - ~~salesma~~ sales _orders:
Description - Used to store client's orders

```
SQL> Creat table sales_order (
  2  Order_no ~~vara~~ Varchar2 (6) Primary key Check (Order_no like '0%'),
  3  Order_date       Date 
  4  Client_no      Varchar2 (6) references client_master (Client_no),
  5  Salesman_no   Varchar2 (6) references salesman_master (Salesman_no),
  6  Delivery_type   Char (1) Default 'F' Check (Delivery_type 0 in
                                                    ('P', 'F')),
  7  Bill_y_n      Char (1),
  8  Delivery_date   Date
  9  Order_status   Varchar2 (10) Check (Order_status in ('In Process',
                                'Fullfilled', 'Back Order', 'Cancelled'))
  );
Table created.

SQL> Insert into sales_order values ('019001', 12-Jan-96, 'C001',
                          'S001', 'F', 'N', 20-Jan-96, 'In Process');

1 row created.
    .
    .
  6 rows created.
```

SQL> Select * from ~~@~~ sales_order;

ORDER_NO	ORDER_DATE	CLIENT_NO	SALESMAN_NO	DELIVERY_~~NO~~TYPE	BILL_Y_N
019001	12-JAN-96	C001	S001	F	N
.	.	.	.	.	.
.	.	.	.	.	.
.	.	.	.	.	.

DELIVERY_DATE	ORDER_STATUS
20-JAN-96	INPROCESS
.	.
.	.
.	.

6 rows Selected.

Table Name - sales_order_details:
Description - Used to store client's order with details of each product ordered.

```
SQL> Create table sales_order_details (
  2   Order-no    Varchar2(6) references sales_order (Order_no),
  3   Product-no  Varchar (6) references product_master (Product_no),
  4   Qty-ordered Number (8),
  5   Qty-disp    Number (8),
  6   Product-rate Number (10,2));
Table Created.

SQL> Insert into sales_order_details values ('019001', 'P00001', 4, 4,
                                    525);

1 row created.
  .
  .
  .
14 rows created.

SQL> Select * from sales_order_details;
```

ORDER_NO	PRODUCT_NO	QTY_ORDERED	QTY_DISP	PRODUCT_RATE
019001	P00001	4	4	525

14 rows selected.

Table Name - salesman-master :
Description - Used to store salesman working for company

```
SQL> Create table salesman-master (
2   Salesman-no    Varchar2 (6)  Primary key Check (Salesman-No Like 'S%'),
3   Salesman-name  varchar2 (30)  NOT NULL,
4   Address 1      varchar2 (30)  NOT NULL,
5   Address 2      varchar2 (30),
6   City           varchar2 (20),
7   Pincode        Number (8),
8   State          varchar2 (20),
9   Sal-amt        number (8,2)  NOT NULL  Check (Sal-amt > 0));

Table created.

SQL> Insert into salesman-master values ('S001', 'Kiran', 'A/14', 'Worli',
            'Bombay', 400002, 'Maharastra', 3000);

1 row created.

.
.
.

4 rows created.

@SQL> select * from salesman-master;
```

SALESMAN-NO	SALESMAN-NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	SAL-AMT
S001	KIRAN	A/14	WORLI	BOMBAY	400002	MAHARASTRA	3000

6 rows selected.