ASSIGNMENT 4

i. Create tables for Client, Product, and Salesman with the attributes given, implementing DDL commands for specifying prime attributes, non-prime attributes, foreign keys, cardinalities, null values, constraints etc. and the data types. Implement DDL commands for drop, alter on the tables created.

ii. Implement DML commands like populating the tables with data using insert command and retrieving data using simple queries in SQL. (Application of select, update, delete etc.)

iii. Exercise on retrieving records from a table:

      i.   Find out the names of all client master.

      ii.   Retrieve the entire contents of the Client_Master table.

      iii.   Retrieve the list of names, city and state of all client master.

      iv.   List the various products available from the Product_Master table.

      v.   List all clients who are located in Mumbai.

      vi.   Find the names of salesman who have a salary equal to 3000.

      vii.   Show the details of Product_Master according to Cost_Price in descending order.

      viii. Show different types of salary amounts of the salesman.

      ix.   Show only unique product details.

iv. Exercise on updating records in a table:

      i.   Change the city of client no 'C001' to 'Bangalore'.

      ii.   Change the BalDue of client no 'C006' to Rs. 1000.

      iii.   Change the cost price of 'Trousers' to Rs. 950.00.

      iv.   Change the city of the salesman to 'Pune'.

v. Add a column called 'Telephone' of data type number and size = 10 to the Client_Master table.

vi. Change the size of Sell_Price column in Product_Master to 10, 2.

vii. Drop the column Cost_Price from Product_Master.

viii. Delete all salesmen from the Salesman_Master whose salaries are equal to Rs. 3500.

ix. Delete all products from Product_Master where the quantity on hand is equal to 100.

x. Delete from Client_Master where the column state holds the value 'Tamil Nadu'.

xi. Change the name of the Salesman_Master table to Sman_Mast.

xii. Destroy the table Client_Master along with its data.

```
CREATE TABLE CLIENT_MASTER(
CLIENT_NO VARCHAR2(6) PRIMARY KEY CHECK(CLIENT_NO LIKE 'C%'),
NAME VARCHAR2(20) NOT NULL,
CITY VARCHAR2(15),
PINCODE NUMBER(8),
STATE VARCHAR2(15),
BAL_DUE NUMBER(10,2)
);

CREATE TABLE PRODUCT_MASTER(
PRODUCT_NO VARCHAR2(6) PRIMARY KEY CHECK(PRODUCT_NO LIKE 'P%'),
DESCRIPTION VARCHAR2(15) NOT NULL,
```

```
QTY_ON_HAND 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)
);
```

```
SQL> CREATE TABLE CLIENT_MASTER(
  2  CLIENT_NO VARCHAR2(6) PRIMARY KEY CHECK(CLIENT_NO LIKE 'C%'),
  3  NAME VARCHAR2(20) NOT NULL,
  4  CITY VARCHAR2(15),
  5  PINCODE NUMBER(8),
  6  STATE VARCHAR2(15),
  7  BAL_DUE NUMBER(10,2)
  8  );

Table created.

SQL> DESC CLIENT_MASTER
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 CLIENT_NO                                 NOT NULL VARCHAR2(6)
 NAME                                      NOT NULL VARCHAR2(20)
 CITY                                               VARCHAR2(15)
 PINCODE                                            NUMBER(8)
 STATE                                              VARCHAR2(15)
 BAL_DUE                                            NUMBER(10,2)

SQL>
```

```
SQL> CREATE TABLE PRODUCT_MASTER(
  2  PRODUCT_NO VARCHAR2(6) PRIMARY KEY CHECK(PRODUCT_NO LIKE 'P%'),
  3  DESCRIPTION VARCHAR2(15) NOT NULL,
  4  QTY_ON_HAND NUMBER(8) NOT NULL,
  5  SELL_PRICE NUMBER(8,2) NOT NULL CHECK(SELL_PRICE>0),
  6  COST_PRICE NUMBER(8,2) NOT NULL CHECK(COST_PRICE>0)
  7  );

Table created.

SQL> DESC PRODUCT_MASTER
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 PRODUCT_NO                                NOT NULL VARCHAR2(6)
 DESCRIPTION                               NOT NULL VARCHAR2(15)
 QTY_ON_HAND                               NOT NULL NUMBER(8)
 SELL_PRICE                                NOT NULL NUMBER(8,2)
 COST_PRICE                                NOT NULL NUMBER(8,2)

SQL>
```

```
CREATE TABLE SALESMAN_MASTER(
SALESMAN_NO VARCHAR2(6) PRIMARY KEY CHECK(SALESMAN_NO LIKE'S%' ),
SALESMAN_NAME VARCHAR2(20) NOT NULL,
CITY VARCHAR2(20) NOT NULL,
PINCODE NUMBER(8) NOT NULL,
STATE VARCHAR2(20) NOT NULL,
SAL_AMT NUMBER(8,2) NOT NULL);
```

```
SQL> CREATE TABLE SALESMAN_MASTER(
  2  SALESMAN_NO VARCHAR2(6) PRIMARY KEY CHECK(SALESMAN_NO LIKE'S%' ),
  3  SALESMAN_NAME VARCHAR2(20) NOT NULL,
  4  CITY VARCHAR2(20) NOT NULL,
  5  PINCODE NUMBER(8) NOT NULL,
  6  STATE VARCHAR2(20) NOT NULL,
  7  SAL_AMT NUMBER(8,2) NOT NULL
  8  );

Table created.

SQL> DESC SALESMAN_MASTER
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 SALESMAN_NO                               NOT NULL VARCHAR2(6)
 SALESMAN_NAME                             NOT NULL VARCHAR2(20)
 CITY                                      NOT NULL VARCHAR2(20)
 PINCODE                                   NOT NULL NUMBER(8)
 STATE                                     NOT NULL VARCHAR2(20)
 SAL_AMT                                   NOT NULL NUMBER(8,2)

SQL>
```

CREATE TABLE SALES_ORDER(
ORDER_NO VARCHAR2(6) PRIMARY KEY CHECK(ORDER_NO LIKE 'O%'),
CLIENT_NO VARCHAR2(6),
ORDER_DATE DATE,
SALESMAN_NO VARCHAR2(6),
DELY_TYPE CHAR(1) DEFAULT 'F',
DELY_DATE DATE,
FOREIGN KEY(CLIENT_NO) REFERENCES CLIENT_MASTER(CLIENT_NO) ON
DELETE CASCADE,
FOREIGN KEY(SALESMAN_NO) REFERENCES SALESMAN_MASTER(SALESMAN_NO)
ON DELETE CASCADE
);

```
SQL> CREATE TABLE SALES_ORDER(
  2  ORDER_NO VARCHAR2(6) PRIMARY KEY CHECK(ORDER_NO LIKE 'O%'),
  3  CLIENT_NO VARCHAR2(6),
  4  ORDER_DATE DATE,
  5  SALESMAN_NO VARCHAR2(6),
  6  DELY_TYPE CHAR(1) DEFAULT 'F',
  7  DELY_DATE DATE,
  8  FOREIGN KEY(CLIENT_NO) REFERENCES CLIENT_MASTER(CLIENT_NO) ON DELETE CASCADE,
  9  FOREIGN KEY(SALESMAN_NO) REFERENCES SALESMAN_MASTER(SALESMAN_NO) ON DELETE CASCADE
 10  );

Table created.

SQL> DESC SALES_ORDER
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ORDER_NO                                  NOT NULL VARCHAR2(6)
 CLIENT_NO                                          VARCHAR2(6)
 ORDER_DATE                                         DATE
 SALESMAN_NO                                        VARCHAR2(6)
 DELY_TYPE                                          CHAR(1)
 DELY_DATE                                          DATE

SQL>
```

CREATE TABLE SALES_ORDER_DETAILS(
ORDER_NO VARCHAR2(6),
PRODUCT_NO VARCHAR2(6),
QTY_DISP NUMBER(8),
PRODUCT_RATE NUMBER(10,2),
FOREIGN KEY(ORDER_NO) REFERENCES SALES_ORDER(ORDER_NO) ON DELETE
CASCADE,
FOREIGN KEY(PRODUCT_NO) REFERENCES PRODUCT_MASTER(PRODUCT_NO) ON
DELETE CASCADE
);

```
SQL> CREATE TABLE SALES_ORDER_DETAILS(
  2  ORDER_NO VARCHAR2(6),
  3  PRODUCT_NO VARCHAR2(6),
  4  QTY_DISP NUMBER(8),
  5  PRODUCT_RATE NUMBER(10,2),
  6  FOREIGN KEY(ORDER_NO) REFERENCES SALES_ORDER(ORDER_NO),
  7  FOREIGN KEY(PRODUCT_NO) REFERENCES PRODUCT_MASTER(PRODUCT_NO)
  8  );

Table created.

SQL> DESC SALES_ORDER_DETAILS
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ORDER_NO                                           VARCHAR2(6)
 PRODUCT_NO                                          VARCHAR2(6)
 QTY_DISP                                           NUMBER(8)
 PRODUCT_RATE                                       NUMBER(10,2)

SQL>
```

INSERT INTO CLIENT_MASTER VALUES('C1','ARKAPRATIM','KOLKATA',700059,'WEST
BENGAL',1000.00);
INSERT INTO CLIENT_MASTER
VALUES('C2','SOUMODEEP','MUMBAI',700002,'MAHARASHTRA',2000.00);
INSERT INTO CLIENT_MASTER
VALUES('C3','DEBARGHYA','NOIDA',700078,'UTTARPRADESH',3000.00);
INSERT INTO CLIENT_MASTER VALUES('C4','PRITHWISH','KOLKATA',800059,'WEST
BENGAL',4000.00);
INSERT INTO CLIENT_MASTER
VALUES('C5','SAGNIK','BENGALURU',900059,'MAHARASHTRA',5000.00);

```
SQL> SELECT * FROM CLIENT_MASTER;

CLIENT NAME                 CITY            PINCODE STATE            BAL_DUE
------ -------------------- --------------- ------- ---------------- ----------
C1     ARKAPRATIM           KOLKATA          700059 WEST BENGAL         1000
C2     SOUMODEEP            MUMBAI           700002 MAHARASHTRA         2000
C3     DEBARGHYA            NOIDA            700078 UTTARPRADESH        3000
C4     PRITHWISH            KOLKATA          800059 WEST BENGAL         4000
C5     SAGNIK               BENGALURU        900059 MAHARASHTRA         5000

SQL>
```

INSERT INTO PRODUCT_MASTER VALUES('P1','VEGETABLE',100,100,102);
INSERT INTO PRODUCT_MASTER VALUES('P2','FRUIT',20,20,20.3);
INSERT INTO PRODUCT_MASTER VALUES('P3','ELECTRONICS',200,200,200.1);
INSERT INTO PRODUCT_MASTER VALUES('P4','ELECTRONICS',30,30,30.4);
INSERT INTO PRODUCT_MASTER VALUES('P5','SERVICE',40,40,40.5);

```
SQL> INSERT INTO PRODUCT_MASTER VALUES('P1','VEGETABLE',100,100,102);

1 row created.

SQL> INSERT INTO PRODUCT_MASTER VALUES('P2','FRUIT',20,20,20.3);

1 row created.

SQL> INSERT INTO PRODUCT_MASTER VALUES('P3','ELECTRONICS',200,200,200.1);

1 row created.

SQL> INSERT INTO PRODUCT_MASTER VALUES('P4','ELECTRONICS',30,30,30.4);

1 row created.

SQL> INSERT INTO PRODUCT_MASTER VALUES('P5','SERVICE',40,40,40.5);

1 row created.

SQL> SELECT * FROM PRODUCT_MASTER
  2  ;

PRODUC DESCRIPTION      QTY_ON_HAND SELL_PRICE COST_PRICE
------ ---------------- ----------- ---------- ----------
P1     VEGETABLE                100        100        102
P2     FRUIT                     20         20       20.3
P3     ELECTRONICS              200        200      200.1
P4     ELECTRONICS               30         30       30.4
P5     SERVICE                   40         40       40.5

SQL>
```

INSERT INTO SALESMAN_MASTER VALUES('S1','RAMU','KOLKATA',700059,'WEST BENGAL',2000.90);
INSERT INTO SALESMAN_MASTER VALUES('S2','UPAL','MUMBAI',700002,'MAHARASHTRA',1000.90);
INSERT INTO SALESMAN_MASTER VALUES('S3','SHYAM','BANGALORE',900059,'MAHARASHTRA',3000.90);
INSERT INTO SALESMAN_MASTER VALUES('S4','JADU','NOIDA',700078,'UTTARPRADESH',4000.90);
INSERT INTO SALESMAN_MASTER VALUES('S5','MODHU','KOLKATA',700059,'WEST BENGAL',5000.90);

```
SQL> INSERT INTO SALESMAN_MASTER VALUES('S1','RAMU','KOLKATA',700059,'WEST BENGAL',2000.90);

1 row created.

SQL> INSERT INTO SALESMAN_MASTER VALUES('S2','UPAL','MUMBAI',700002,'MAHARASHTRA',1000.90);

1 row created.

SQL> INSERT INTO SALESMAN_MASTER VALUES('S3','SHYAM','BANGALORE',900059,'MAHARASHTRA',3000.90);

1 row created.

SQL> INSERT INTO SALESMAN_MASTER VALUES('S4','JADU','NOIDA',700078,'UTTARPRADESH',4000.90);

1 row created.

SQL> INSERT INTO SALESMAN_MASTER VALUES('S5','MODHU','KOLKATA',700059,'WEST BENGAL',5000.90);

1 row created.

SQL> SELECT * FROM SALESMAN_MASTER;

SALESM SALESMAN_NAME         CITY                    PINCODE STATE                  SAL_AMT
------ --------------------- --------------------- ---------- --------------------- ----------
S1     RAMU                  KOLKATA                  700059 WEST BENGAL              2000.9
S2     UPAL                  MUMBAI                   700002 MAHARASHTRA              1000.9
S3     SHYAM                 BANGALORE                900059 MAHARASHTRA              3000.9
S4     JADU                  NOIDA                    700078 UTTARPRADESH             4000.9
S5     MODHU                 KOLKATA                  700059 WEST BENGAL              5000.9

SQL>
```

INSERT INTO SALES_ORDER (ORDER_NO, CLIENT_NO, ORDER_DATE, SALESMAN_NO) VALUES ('O001', 'C1', TO_DATE('2024-03-13', 'YYYY-MM-DD'), 'S1');
INSERT INTO SALES_ORDER (ORDER_NO, CLIENT_NO, ORDER_DATE, SALESMAN_NO, DELY_TYPE, DELY_DATE) VALUES ('O002', 'C2', TO_DATE('2024-03-14', 'YYYY-MM-DD'), 'S2', 'E', TO_DATE('2024-03-18', 'YYYY-MM-DD'));
INSERT INTO SALES_ORDER (ORDER_NO, CLIENT_NO, ORDER_DATE, SALESMAN_NO) VALUES ('O003', 'C3', TO_DATE('2024-03-15', 'YYYY-MM-DD'), 'S1');
INSERT INTO SALES_ORDER (ORDER_NO, CLIENT_NO, ORDER_DATE, SALESMAN_NO, DELY_TYPE, DELY_DATE) VALUES ('O004', 'C4', TO_DATE('2024-03-16', 'YYYY-MM-DD'), 'S3', 'E', TO_DATE('2024-03-20', 'YYYY-MM-DD'));
INSERT INTO SALES_ORDER (ORDER_NO, CLIENT_NO, ORDER_DATE, SALESMAN_NO) VALUES ('O005', 'C5', TO_DATE('2024-03-17', 'YYYY-MM-DD'), 'S2');

```
SQL> INSERT INTO SALES_ORDER (ORDER_NO, CLIENT_NO, ORDER_DATE, SALESMAN_NO) VALUES ('O001', 'C1', TO_DATE('2024-03-13', 'YYYY-MM-DD'), 'S1');

1 row created.

SQL> INSERT INTO SALES_ORDER (ORDER_NO, CLIENT_NO, ORDER_DATE, SALESMAN_NO, DELY_TYPE, DELY_DATE) VALUES ('O002', 'C2', TO_DATE('2024-03-14', 'YYYY-MM-DD'),
 'S2', 'E', TO_DATE('2024-03-18', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO SALES_ORDER (ORDER_NO, CLIENT_NO, ORDER_DATE, SALESMAN_NO) VALUES ('O003', 'C3', TO_DATE('2024-03-15', 'YYYY-MM-DD'), 'S1');

1 row created.

SQL> INSERT INTO SALES_ORDER (ORDER_NO, CLIENT_NO, ORDER_DATE, SALESMAN_NO, DELY_TYPE, DELY_DATE) VALUES ('O004', 'C4', TO_DATE('2024-03-16', 'YYYY-MM-DD'),
 'S3', 'E', TO_DATE('2024-03-20', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO SALES_ORDER (ORDER_NO, CLIENT_NO, ORDER_DATE, SALESMAN_NO) VALUES ('O005', 'C5', TO_DATE('2024-03-17', 'YYYY-MM-DD'), 'S2');

1 row created.

SQL> SELECT * FROM SALES_ORDER;

ORDER_ CLIENT ORDER_DAT SALESM D DELY_DATE
------ ------ --------- ------ - ---------
O001   C1     13-MAR-24 S1     F
O002   C2     14-MAR-24 S2     E 18-MAR-24
O003   C3     15-MAR-24 S1     F
O004   C4     16-MAR-24 S3     E 20-MAR-24
O005   C5     17-MAR-24 S2     F

SQL>
```

INSERT INTO SALES_ORDER_DETAILS (ORDER_NO, PRODUCT_NO, QTY_DISP, PRODUCT_RATE) VALUES ('O001', 'P1', 5, 100.00);
INSERT INTO SALES_ORDER_DETAILS (ORDER_NO, PRODUCT_NO, QTY_DISP, PRODUCT_RATE) VALUES ('O002', 'P2', 10, 20.30);
INSERT INTO SALES_ORDER_DETAILS (ORDER_NO, PRODUCT_NO, QTY_DISP, PRODUCT_RATE) VALUES ('O003', 'P3', 2, 200.10);
INSERT INTO SALES_ORDER_DETAILS (ORDER_NO, PRODUCT_NO, QTY_DISP, PRODUCT_RATE) VALUES ('O004', 'P4', 3, 30.40);
INSERT INTO SALES_ORDER_DETAILS (ORDER_NO, PRODUCT_NO, QTY_DISP, PRODUCT_RATE) VALUES ('O005', 'P5', 4, 40.50);

```
SQL> INSERT INTO SALES_ORDER_DETAILS (ORDER_NO, PRODUCT_NO, QTY_DISP, PRODUCT_RATE) VALUES ('O001', 'P1', 5, 100.00);

1 row created.

SQL> INSERT INTO SALES_ORDER_DETAILS (ORDER_NO, PRODUCT_NO, QTY_DISP, PRODUCT_RATE) VALUES ('O002', 'P2', 10, 20.30);

1 row created.

SQL> INSERT INTO SALES_ORDER_DETAILS (ORDER_NO, PRODUCT_NO, QTY_DISP, PRODUCT_RATE) VALUES ('O003', 'P3', 2, 200.10);

1 row created.

SQL> INSERT INTO SALES_ORDER_DETAILS (ORDER_NO, PRODUCT_NO, QTY_DISP, PRODUCT_RATE) VALUES ('O004', 'P4', 3, 30.40);

1 row created.

SQL> INSERT INTO SALES_ORDER_DETAILS (ORDER_NO, PRODUCT_NO, QTY_DISP, PRODUCT_RATE) VALUES ('O005', 'P5', 4, 40.50);

1 row created.

SQL> SELECT * FROM SALES_ORDER_DETAILS;

ORDER_ PRODUC   QTY_DISP PRODUCT_RATE
------ ------ ---------- ------------
O001   P1              5          100
O002   P2             10         20.3
O003   P3              2        200.1
O004   P4              3         30.4
O005   P5              4         40.5

SQL>
```

SELECT NAME FROM CLIENT_MASTER;
SELECT NAME, CITY, STATE FROM CLIENT_MASTER;
SELECT DESCRIPTION FROM PRODUCT_MASTER;
SELECT * FROM CLIENT_MASTER WHERE CITY = 'MUMBAI';
SELECT SALESMAN_NAME FROM SALESMAN_MASTER WHERE SAL_AMT = 3000;
SELECT * FROM PRODUCT_MASTER ORDER BY COST_PRICE DESC;
SELECT DISTINCT SAL_AMT FROM SALESMAN_MASTER;
SELECT DISTINCT * FROM PRODUCT_MASTER;
UPDATE CLIENT_MASTER SET CITY = 'Bangalore' WHERE CLIENT_NO = 'C1';
UPDATE CLIENT_MASTER SET BAL_DUE = 1000 WHERE CLIENT_NO = 'C6';
SELECT * FROM CLIENT_MASTER;
UPDATE PRODUCT_MASTER SET DESCRIPTION = 'Trousers' WHERE PRODUCT_NO = 'P1';
UPDATE PRODUCT_MASTER SET COST_PRICE = 950.00 WHERE DESCRIPTION = 'Trousers';
SELECT * FROM PRODUCT_MASTER;
UPDATE SALESMAN_MASTER SET CITY = 'Pune';

SELECT * FROM SALESMAN_MASTER;

```
SQL> SELECT NAME FROM CLIENT_MASTER;

NAME
--------------------
ARKAPRATIM
SOUMODEEP
DEBARGHYA
PRITHWISH
SAGNIK

SQL> SELECT NAME, CITY, STATE FROM CLIENT_MASTER;

NAME                  CITY              STATE
--------------------  ---------------   ----------------
ARKAPRATIM            KOLKATA           WEST BENGAL
SOUMODEEP             MUMBAI            MAHARASHTRA
DEBARGHYA             NOIDA             UTTARPRADESH
PRITHWISH             KOLKATA           WEST BENGAL
SAGNIK                BENGALURU         MAHARASHTRA

SQL> SELECT DESCRIPTION FROM PRODUCT_MASTER;

DESCRIPTION
---------------
VEGETABLE
FRUIT
ELECTRONICS
ELECTRONICS
SERVICE

SQL> SELECT * FROM CLIENT_MASTER WHERE CITY = 'MUMBAI';

CLIENT NAME                  CITY              PINCODE STATE            BAL_DUE
------ --------------------  ---------------   ------- ---------------- ----------
C2     SOUMODEEP             MUMBAI             700002 MAHARASHTRA         2000

SQL>
```

```
SQL> UPDATE CLIENT_MASTER SET CITY = 'Bangalore' WHERE CLIENT_NO = 'C1';

1 row updated.

SQL> UPDATE CLIENT_MASTER SET BAL_DUE = 1000 WHERE CLIENT_NO = 'C6';

0 rows updated.

SQL> SELECT * FROM CLIENT_MASTER;

CLIENT NAME                  CITY              PINCODE STATE            BAL_DUE
------ --------------------  ---------------   ------- ---------------- ----------
C1     ARKAPRATIM            Bangalore          700059 WEST BENGAL         1000
C2     SOUMODEEP             MUMBAI             700002 MAHARASHTRA         2000
C3     DEBARGHYA             NOIDA              700078 UTTARPRADESH        3000
C4     PRITHWISH             KOLKATA            800059 WEST BENGAL         4000
C5     SAGNIK                BENGALURU          900059 MAHARASHTRA         5000

SQL>
```

```
SQL> SELECT SALESMAN_NAME FROM SALESMAN_MASTER WHERE SAL_AMT = 3000;

no rows selected

SQL> SELECT * FROM PRODUCT_MASTER ORDER BY COST_PRICE DESC;

PRODUC DESCRIPTION      QTY_ON_HAND SELL_PRICE COST_PRICE
------ ---------------- ----------- ---------- ----------
P3     ELECTRONICS              200        200      200.1
P1     VEGETABLE                100        100        102
P5     SERVICE                   40         40       40.5
P4     ELECTRONICS               30         30       30.4
P2     FRUIT                     20         20       20.3

SQL> SELECT DISTINCT SAL_AMT FROM SALESMAN_MASTER;

   SAL_AMT
----------
    2000.9
    3000.9
    5000.9
    4000.9
    1000.9

SQL> SELECT DISTINCT * FROM PRODUCT_MASTER;

PRODUC DESCRIPTION      QTY_ON_HAND SELL_PRICE COST_PRICE
------ ---------------- ----------- ---------- ----------
P1     VEGETABLE                100        100        102
P2     FRUIT                     20         20       20.3
P3     ELECTRONICS              200        200      200.1
P4     ELECTRONICS               30         30       30.4
P5     SERVICE                   40         40       40.5

SQL>
```

```
SQL> UPDATE PRODUCT_MASTER SET DESCRIPTION = 'Trousers' WHERE PRODUCT_NO = 'P1';

1 row updated.

SQL> UPDATE PRODUCT_MASTER SET COST_PRICE = 950.00 WHERE DESCRIPTION = 'Trousers';

1 row updated.

SQL> SELECT * FROM PRODUCT_MASTER;

PRODUC DESCRIPTION      QTY_ON_HAND SELL_PRICE COST_PRICE
------ ---------------- ----------- ---------- ----------
P1     Trousers                 100        100        950
P2     FRUIT                     20         20       20.3
P3     ELECTRONICS              200        200      200.1
P4     ELECTRONICS               30         30       30.4
P5     SERVICE                   40         40       40.5

SQL>
```

```
SQL> UPDATE SALESMAN_MASTER SET CITY = 'Pune';

5 rows updated.

SQL> SELECT * FROM SALESMAN_MASTER;

SALESM SALESMAN_NAME        CITY                    PINCODE STATE                    SAL_AMT
------ -------------------- -------------------- ---------- -------------------- ----------
S1     RAMU                 Pune                     700059 WEST BENGAL             2000.9
S2     UPAL                 Pune                     700002 MAHARASHTRA             1000.9
S3     SHYAM                Pune                     900059 MAHARASHTRA             3000.9
S4     JADU                 Pune                     700078 UTTARPRADESH            4000.9
S5     MODHU                Pune                     700059 WEST BENGAL             5000.9

SQL>
```

ALTER TABLE CLIENT_MASTER ADD Telephone NUMBER(10);
ALTER TABLE PRODUCT_MASTER MODIFY Sell_Price NUMBER(10,2);
ALTER TABLE PRODUCT_MASTER DROP COLUMN Cost_Price;
DELETE FROM SALESMAN_MASTER WHERE SAL_AMT = 3500;
DELETE FROM PRODUCT_MASTER WHERE QTY_ON_HAND = 100;
DELETE FROM CLIENT_MASTER WHERE state = 'Tamil Nadu';
ALTER TABLE SALESMAN_MASTER RENAME TO Sman_Mast;
SELECT CONSTRAINT_NAME FROM USER_CONSTRAINTS WHERE TABLE_NAME = 'SALES_ORDER' AND (R_CONSTRAINT_NAME IN (SELECT CONSTRAINT_NAME FROM USER_CONSTRAINTS WHERE TABLE_NAME = 'CLIENT_MASTER'));
DROP TABLE CLIENT_MASTER;

```
SQL> ALTER TABLE CLIENT_MASTER ADD Telephone NUMBER(10);

Table altered.

SQL> ALTER TABLE PRODUCT_MASTER MODIFY Sell_Price NUMBER(10,2);

Table altered.

SQL> ALTER TABLE PRODUCT_MASTER DROP COLUMN Cost_Price;

Table altered.
```

```
SQL> DELETE FROM CLIENT_MASTER WHERE state = 'Tamil Nadu';

0 rows deleted.

SQL> ALTER TABLE SALESMAN_MASTER RENAME TO Sman_Mast;

Table altered.

SQL>
```

```
SQL> DROP TABLE CLIENT_MASTER;

Table dropped.

SQL>
```