***ASSIGNMENT:03***

**DATE:** 17/01/2019

**Using the following tables write SQL queries:**

**TABLE1:** **CLIENT\_MASTER (CLIENT\_NO, NAME, CITY, ADDRESS, PINCODE, STATE,**

**BALANCE\_DUE)**

**TABLE2: PRODUCT\_MASTER (PRODUCT\_NO, DESCRIPTION, PRICE, QTY\_IN\_HAND)**

**ENTITY:** CLIENT\_MASTER

**ATTRIBUTE:** CLIENT\_NO, CITY, ADDRESS, PINCODE, STATE, BALANCE\_DUE

**PRIMARY KEY:** CLIENT\_NO

**ENTITY:** PRODUCT\_MASTER

**ATTRIBUTE:** PRODUCT\_NO, DESCRIPTION, PRICE, QTY\_IN\_HAND

**PRIMARY KEY:** PRODUCT\_NO

|  |
| --- |
| **CLIENT\_MASTER** |
| CLIENT\_NO |
| CITY |
| ADDRESS |
| PINCODE |
| STATE |
| BALANCE\_DUE |

|  |
| --- |
| **PRODUCT\_MASTER** |
| PRODUCT\_NO |
| DESCRIPTION |
| PRICE |
| QTY\_IN\_HAND |

**TABLE1:** **CLIENT\_MASTER**

**CREATE TABLE**

CREATE TABLE CLIENT\_MASTER

(

CLIENT\_NO VARCHAR2(5) PRIMARY KEY,

NAME VARCHAR2(15),

CITY VARCHAR2(10),

ADDRESS VARCHAR2(20),

PINCODE NUMBER(6),

STATE VARCHAR2(10),

BALENCE\_DUE NUMBER(6)

);

DESC CLIENT\_MASTER;

Name Null? Type

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CLIENT\_NO NOT NULL VARCHAR2(5)

NAME VARCHAR2(15)

CITY VARCHAR2(10)

ADDRESS VARCHAR2(20)

PINCODE NUMBER(6)

STATE VARCHAR2(10)

BAANCE\_DUE NUMBER(6)

**DATA INSERTION INTO TABLE**

INSERT INTO CLIENT\_MASTER VALUES

('&CLIENT\_NO','&NAME','&CITY','&ADDRESS',&PINCODE,'&STATE',

&BALANCE\_DUE);

**RECORD STORED IN TABLE**

SELECT \* FROM CLIENT\_MASTER;

CLIEN NAME CITY ADDRESS PINCODE STATE BALENCE\_DUE

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C0001 RAHUL GARIFA CHARAKTALA 743166 WESTBENGAL 500

C0002 SHAWAN SHYAMNAGAR BNP ROAD 743127 WESTBENGAL 5000

C0003 DEEP KALYANI B17/2 743226 WESTBENGAL 1000

C0004 ARINDAM KALYANI B9/23 743221 WESTBENGAL 5000

C0005 RAJDEEP KALYANI A9/15 743225 WESTBENGAL 4000

**TABLE2:** **PRODUCT\_MASTER**

**CREATE TABLE**

CREATE TABLE PRODUCT\_MASTER

(

PRODUCT\_NO VARCHAR2(5) PRIMARY KEY,

DESCRIPTION VARCHAR2(15),

PRICE NUMBER(6),

QTY\_IN\_HAND VARCHAR2(6)

);

DESC PRODUCT\_MASTER;

Name Null? Type

----------------------------- ------------- -----------------

PRODUCT\_NO NOT NULL VARCHAR2(5)

DESCRIPTION VARCHAR2(15)

PRICE NUMBER(6)

QTY\_IN\_HAND VARCHAR2(6)

**DATA INSERTION INTO TABLE**

INSERT PRODUCT\_MASTER VALUES

('&PRODUCT\_NO','&CITY',&PRICE,'&QTY\_IN\_HAND');

**RECORD STORED IN TABLE**

SELECT \* FROM PRODUCT\_MASTER;

PRODU DESCRIPTION PRICE QTY\_IN

----- --------------- ---------- ------

P0001 PRINTER 3000 20

P0002 MONITOR 4000 10

P0003 MOUSE 1000 12

P0004 KEYBOARD 1000 11

P0005 KEYBOARD 1000 22

P0006 KEYBOARD 1000 50

P0007 KEYBOARD 1000 50

**QUERY 1: FIND OUT THE NAMES OF ALL CLIENTS.**

SELECT NAME

FROM CLIENT\_MASTER;

**OUTPUT:**

NAME

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RAHUL

SHAWAN

DEEP

ARINDAM

RAJDEEP

**QUERY 2: FIND OUT THE NAMES OF ALL CLIENTS WHO LIVE IN CITY ‘KALYANI’.**

SELECT NAME

FROM CLIENT\_MASTER WHERE CITY='KALYANI';

**OUTPUT:**

NAME

----------

DEEP

ARINDAM

RAJDEEP

**QUERY 3: CHANGE THE CITY OF CLIENT\_NO “C003” TO “KOLKATA”.**

UPDATE CLIENT\_MASTER

SET CITY='KOLKATA'

WHERE CLIENT\_NO='C0003';

**OUTPUT:**

SELECT \* FROM CLIENT\_MASTER;

CLIEN NAME CITY ADDRESS PINCODE STATE BALENCE\_DUE

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C0001 RAHUL GARIFA CHARAKTALA 743166 WESTBENGAL 500

C0002 SHAWAN SHYAMNAGAR BNP ROAD 743127 WESTBENGAL 5000

C0003 DEEP KOLKATA B17/2 743226 WESTBENGAL 1000

C0004 ARINDAM KALYANI B9/23 743221 WESTBENGAL 5000

C0005 RAJDEEP KALYANI A9/15 743225 WESTBENGAL 4000

**QUERY 4: DELETE ALL PRODUCTS WHERE QUANTITY IN HAND(QTY\_IN\_HAND)**

**IS EQUAL TO 50.**

DELETE FROM PRODUCT\_MASTER

WHERE QTY\_IN\_HAND='50';

**OUTPUT:**

SELECT \* FROM PRODUCT\_MASTER;

PRODU DESCRIPTION PRICE QTY\_IN

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P0001 PRINTER 3000 20

P0002 MONITOR 4000 10

P0003 MOUSE 1000 12

P0004 KEYBOARD 1000 11

P0005 KEYBOARD 1000 22