***2) ALTER, DELETE AND UPDATE:***

ALTER:

SQL> ALTER TABLE CUSTOMER

2 ADD CONSTRAINT CUSPK PRIMARY KEY(CUSTOMERID);

Table altered.

SQL> ALTER TABLE BUY

2 ADD CONSTRAINT BUYPK PRIMARY KEY(PRODUCTID,CUSTOMERID);

Table altered.

SQL> ALTER TABLE CART

2 ADD CONSTRAINT CARTPK PRIMARY KEY(SERIALNO);

Table altered.

SQL> ALTER TABLE ORDERS

2 ADD CONSTRAINT ORDERPK PRIMARY KEY(ORDERID);

Table altered.

SQL> ALTER TABLE PAYMENT

2 ADD CONSTRAINT PAYMENTPK PRIMARY KEY(PAYMENTID);

Table altered.

SQL> ALTER TABLE CONTAIN

2 ADD CONSTRAINT CONTAINPK PRIMARY KEY(PRODUCTID,ORDERID);

Table altered.

DELETE:

SQL> DELETE PRODUCT

2 WHERE PRODUCTID=74859611;

1 row deleted.

SQL> SELECT \* FROM PRODUCT;

PRODUCTID PRODUCTNAME CATEGORY PRICE

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

1. REDMI NOTE 4 COVER ACCESSORY 300
2. SANDISK PENDRIVE GADGET 599
3. SKULLCANDY 2.0 HEADPHONES 1200
4. RAYBAN GOGGLES FASHION 3000
5. BOXERS FASHION 220
6. LENOVO 320P GADGET 45000
7. DAIRYMILK SILK EDABLES 85
8. SKULL SKIN LAPTOP ACCESSORY 255
9. DENIM JACKET FASHION 1999
10. NIKE RUNNERS FOOTWEAR 3999

74859612 METALLICA TSHIRT FASHION 800

UPDATE:

SQL> UPDATE PRODUCT

2 SET PRICE=299 WHERE PRODUCTID=74859605;

1 row updated.

SQL> SELECT \* FROM PRODUCT;

PRODUCTID PRODUCTNAME CATEGORY PRICE

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

1. REDMI NOTE 4 COVER ACCESSORY 300
2. SANDISK PENDRIVE GADGET 599
3. SKULLCANDY 2.0 HEADPHONES 1200
4. RAYBAN GOGGLES FASHION 3000
5. BOXERS FASHION 299
6. LENOVO 320P GADGET 45000
7. DAIRYMILK SILK EDABLES 85
8. SKULL SKIN LAPTOP ACCESSORY 255
9. DENIM JACKET FASHION 1999
10. NIKE RUNNERS FOOTWEAR 3999

74859612 METALLICA TSHIRT FASHION 800

11 rows selected.

***3)PRIMARY KEY AND FOREIGN KEY CONSTRAINT:***

PRIMARY KEY DONE BY ALTER,NOW FOREIGN KEY:

SQL> ALTER TABLE BUY

2 ADD CONSTRAINT CUSBUYFK FOREIGN KEY(CUSTOMERID) REFERENCES CUSTOMER(CUSTOMERID); Table altered.

SQL> ALTER TABLE BUY

2 ADD CONSTRAINT PROBUYFK FOREIGN KEY(PRODUCTID) REFERENCES PRODUCT(PRODUCTID);

Table altered.

SQL> ALTER TABLE CART

2 ADD CONSTRAINT PROCARTFK FOREIGN KEY(PRODUCTID) REFERENCES PRODUCT(PRODUCTID);

Table altered.

SQL> ALTER TABLE CART

2 ADD CONSTRAINT CUSCARTFK FOREIGN KEY(CUSTOMERID) REFERENCES CUSTOMER(CUSTOMERID);

Table altered.

SQL> ALTER TABLE ORDERS

2 ADD CONSTRAINT CUSORDERSFK FOREIGN KEY(CUSTOMER) REFERENCES CUSTOMER(CUSTOMERID);

Table altered.

SQL> ALTER TABLE ORDERS

2 ADD CONSTRAINT CARTORDERSFK FOREIGN KEY(SERIALNO) REFERENCES CART(SERIALNO);

Table altered.

SQL> ALTER TABLE PAYMENT

2 ADD CONSTRAINT CUSPAYSFK FOREIGN KEY(CUSTOMERID) REFERENCES CUSTOMER(CUSTOMERID); Table altered.

SQL> ALTER TABLE PAYMENT

2 ADD CONSTRAINT ORDERPAYSFK FOREIGN KEY(ORDERID) REFERENCES ORDERS(ORDERID);

Table altered.

SQL> ALTER TABLE CONTAIN

2 ADD CONSTRAINT PROCONTAINFK FOREIGN KEY(PRODUCTID) REFERENCES PRODUCT(PRODUCTID);

Table altered.

SQL> ALTER TABLE CONTAIN

2 ADD CONSTRAINT ORDERCONTAINFK FOREIGN KEY(ORDERID) REFERENCES ORDERS(ORDERID);

Table altered.

DESC COMMANDS ON TABLES:

SQL> DESC CUSTOMER;

Name Null? Type

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

CUSTOMERID NOT NULL NUMBER(8)

CUSTOMERNAME VARCHAR2(20)

PHONENO NUMBER(10)

HSTREETNAME VARCHAR2(30)

CITY VARCHAR2(20)

STATE VARCHAR2(15)

PINCODE NUMBER(8)

SQL> DESC PRODUCT;

Name Null? Type

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

PRODUCTID NOT NULL NUMBER(8)

PRODUCTNAME VARCHAR2(20)

CATEGORY VARCHAR2(10)

PRICE NUMBER(6)

SQL> DESC CART;

Name Null? Type

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

SERIALNO NOT NULL NUMBER(2)

CUSTOMERID NUMBER(8)

PRODUCTID NUMBER(8)

QUANTITY NUMBER(2)

TOTAL\_COST NUMBER(6)

SQL> DESC ORDERS;

Name Null? Type

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

ORDERID NOT NULL NUMBER(8)

CUSTOMER NUMBER(8)

SERIALNO NUMBER(2)

ORDERSTATE VARCHAR2(20)

DAYS\_OF\_DELIVERY NUMBER(2)

SQL> DESC PAYMENT;

Name Null? Type

----------------------------------------- -------- ---------------------------- PAYMENTID NOT NULL NUMBER(8)

CUSTOMERID NUMBER(8)

ORDERID NUMBER(8)

PAYMENT\_METHOD VARCHAR2(20)

AMOUNT NUMBER(8)

SQL> DESC BUY;

Name Null? Type

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

CUSTOMERID NOT NULL NUMBER(8)

PRODUCTID NOT NULL NUMBER(8)

SQL> DESC CONTAIN;

Name Null? Type

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

PRODUCTID NOT NULL NUMBER(8)

ORDERID NOT NULL NUMBER(8)