Dropshipping Product DBMS – Group 53

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```sql
create table supplier (

    "supplierID" INTEGER check ("supplierID" >= 0),

    name varchar2(30) NOT NULL UNIQUE,

    email varchar2(50) DEFAULT NULL,

    phone# varchar2(12) DEFAULT NULL,

    street varchar2(20) DEFAULT NULL,

    city varchar2(20) DEFAULT 'Toronto',

    country varchar2(5) DEFAULT 'CA',

    postalcode varchar2(10) DEFAULT NULL,

    PRIMARY KEY ("supplierID")

);


CREATE TABLE productcategory (

    "categoryID" SMALLINT CHECK ("categoryID" >= 0),

    name VARCHAR2(20) NOT NULL UNIQUE,

    description varchar2(100) DEFAULT NULL,

    PRIMARY KEY ("categoryID")

);


CREATE TABLE product (

    "productID" INTEGER CHECK ("productID" >= 0),

    "categoryID" SMALLINT REFERENCES productcategory("categoryID") ON DELETE CASCADE,

    name VARCHAR2(25) NOT NULL UNIQUE,

    description varchar2(100) DEFAULT NULL,
```

```
    price DOUBLE PRECISION NOT NULL,

    cost DOUBLE PRECISION NOT NULL,

    profit DOUBLE PRECISION DEFAULT 0,

    PRIMARY KEY ("productID")

);


CREATE TABLE supplies (

    "supplierID" INTEGER REFERENCES supplier("supplierID"),

    "productID" INTEGER REFERENCES product("productID")  ON DELETE CASCADE,

    PRIMARY KEY ("supplierID", "productID")

);


CREATE TABLE inventory(

    "inventoryID" INTEGER CHECK ("inventoryID" >= 0),

    "productID" INTEGER REFERENCES product("productID") ON DELETE CASCADE,

    quantity INTEGER DEFAULT 0 NOT NULL,

    warehouse# INTEGER DEFAULT 0 NOT NULL,

    aisle# INTEGER DEFAULT 0 NOT NULL,

    section# INTEGER DEFAULT 0 NOT NULL,

    PRIMARY KEY ("inventoryID", "productID")

);


CREATE TABLE discount(

    "discountID" INTEGER CHECK ("discountID" >= 0),

    "productID" INTEGER REFERENCES product("productID") ON DELETE CASCADE,

    discount DOUBLE PRECISION DEFAULT 0 NOT NULL,

    description varchar2(100) DEFAULT NULL,

    expiry DATE DEFAULT sysdate NOT NULL,

    active SMALLINT DEFAULT 0 NOT NULL CHECK (active = 0 or active = 1),
```

```sql
    PRIMARY KEY ("discountID", "productID")
);


INSERT INTO supplier("supplierID", name) VALUES (0, 'Apple Inc.');

SELECT * FROM supplier;

INSERT INTO productcategory("categoryID", name) VALUES (0, 'Phones');

SELECT * FROM productcategory;


INSERT INTO product("productID", "categoryID", name, price, cost) VALUES (0, 0, 'Iphone', 1000, 500);

SELECT * FROM product;

insert into supplies("supplierID","productID") values (0,0);

select * from supplies;


INSERT INTO inventory("inventoryID", "productID", quantity) values (0, 0, 10);

SELECT * FROM inventory;

INSERT INTO discount("discountID", "productID", discount) values (0, 0, 10);

SELECT * FROM discount;
```

```sql
DELETE FROM product WHERE "productID" = 0;

DELETE FROM supplier WHERE "supplierID" = 0;

DELETE FROM productcategory WHERE "categoryID" = 0;
```