```sql
create table MERCHANT (
    MerchantID CHAR(8) primary key,
    Name VARCHAR2(70),
    Phone_Number CHAR(11),
    Office_Address VARCHAR2(175),
    Company VARCHAR2(70)
);

create table PAY_BATCH (
    BatchID CHAR(8) primary key,
    Paid_Amount NUMBER(7) CHECK (Paid_Amount >= 0),
    Batch_Date DATE,
        MerchantID CHAR(8),
        FOREIGN key (MerchantID) REFERENCES MERCHANT(MerchantID)
);

create table PRODUCT (
        ProductID CHAR(8) primary key,
        Serial_Code VARCHAR2(16),
        Buying_Price NUMBER(7) CHECK (Buying_Price >= 0),
        Selling_price NUMBER(7)
);

create table SHIPMENT (
        MerchantID CHAR(8),
        ProductID CHAR(8),
    Product_Quantity NUMBER(4) CHECK (Product_Quantity > 0),
    Shipment_Date DATE,
        PRIMARY KEY (MerchantID ,ProductID),
    FOREIGN KEY (MerchantID) REFERENCES MERCHANT(MerchantID),
    FOREIGN KEY (ProductID) REFERENCES PRODUCT(ProductID)
);

create table BAG (
        ProductID CHAR(8),
        Bag_Color VARCHAR2(35),
        Bag_Quantity NUMBER(4) CHECK (Bag_Quantity >= 0),
        Bag_Brand VARCHAR2(35),
        primary key (ProductID, Bag_Color),
        FOREIGN KEY (ProductID) REFERENCES PRODUCT(ProductID)
);

create table GLASS (
        ProductID CHAR(8),
```

```
        Glass_Color VARCHAR2(35),
        Glass_Quantity NUMBER(4) CHECK (Glass_Quantity >= 0),
        Glass_Brand VARCHAR2(35),
        primary key (ProductID, Glass_Color),
        FOREIGN KEY (ProductID) REFERENCES PRODUCT(ProductID)
);

create table SHOE (
        ProductID CHAR(8),
        Shoe_Color VARCHAR2(35),
        Shoe_Size NUMBER(2),
        Shoe_Quantity NUMBER(4) CHECK (Shoe_Quantity >= 0),
        primary key (ProductID, Shoe_Color, Shoe_Size),
        FOREIGN KEY (ProductID) REFERENCES PRODUCT(ProductID)
);




INSERT INTO MERCHANT
VALUES ('12345678', 'Ahmed Samy', '01112345678', 'Alebrahemeya', 'Nike');

INSERT INTO MERCHANT
VALUES ('23456789', 'Mohamed Rady', '01103345688', 'Smouha', 'Entersport');

INSERT INTO MERCHANT
VALUES ('34567891', 'Shams Ahmed', '01124345888', 'Sidi Gaber', 'Adidas');

INSERT INTO MERCHANT
VALUES ('45678912', 'Ramy Sherif', '01115348888', 'Elagamy', 'AlexGlasses');

INSERT INTO MERCHANT
VALUES ('56789123', 'Mahmoud Foad', '01126388888', 'Sidi Beshr', 'EagleEyes');


INSERT INTO PAY_BATCH
VALUES ('87654321', 2700, TO_DATE('FEB 3, 2021', 'MON DD, YYYY'), '12345678');

INSERT INTO PAY_BATCH
VALUES ('72359302', 1950, TO_DATE('FEB 7, 2021', 'MON DD, YYYY'), '12345678');

INSERT INTO PAY_BATCH
VALUES ('02728501', 4200, TO_DATE('FEB 10, 2021', 'MON DD, YYYY'), '23456789');

INSERT INTO PAY_BATCH
```

VALUES ('66543219', 1400, TO_DATE('FEB 20, 2021', 'MON DD, YYYY'), '34567891');

INSERT INTO PAY_BATCH
VALUES ('57654323', 4400, TO_DATE('MAR 3, 2021', 'MON DD, YYYY'), '45678912');

INSERT INTO PAY_BATCH
VALUES ('47654324', 2500, TO_DATE('MAR 10, 2021', 'MON DD, YYYY'), '56789123');

INSERT INTO PRODUCT
VALUES ('05307222', '9682734234', 90, 135);

INSERT INTO PRODUCT
VALUES ('04393336', '5768936872', 130, 200);

INSERT INTO PRODUCT
VALUES ('09123529', '3219827351', 300, 400);

INSERT INTO PRODUCT
VALUES ('01304373', '6914938987', 50, 120);

INSERT INTO PRODUCT
VALUES ('03497770', '1098265890', 200, 297);

INSERT INTO PRODUCT
VALUES ('02397777', '8910236918', 100, 150);

INSERT INTO SHIPMENT
VALUES ('12345678', '05307222', 30, TO_DATE('FEB 3, 2021', 'MON DD, YYYY'));

INSERT INTO SHIPMENT
VALUES ('12345678', '04393336', 20, TO_DATE('FEB 3, 2021', 'MON DD, YYYY'));

INSERT INTO SHIPMENT
VALUES ('23456789', '09123529', 14, TO_DATE('FEB 7, 2021', 'MON DD, YYYY'));

INSERT INTO SHIPMENT
VALUES ('34567891', '01304373', 28, TO_DATE('FEB 20, 2021', 'MON DD, YYYY'));

INSERT INTO SHIPMENT
VALUES ('45678912', '03497770', 22, TO_DATE('FEB 25, 2021', 'MON DD, YYYY'));

INSERT INTO SHIPMENT

```
VALUES ('56789123', '02397777', 25, TO_DATE('MAR 3, 2021', 'MON DD, YYYY'));


INSERT INTO BAG
VALUES ('05307222', 'Black', 15, 'Nike');

INSERT INTO BAG
VALUES ('05307222', 'White', 15, 'Nike');

INSERT INTO BAG
VALUES ('01304373', 'Green', 28, 'Adidas');


INSERT INTO GLASS
VALUES ('03497770', 'Brown', 12, 'Guess');

INSERT INTO GLASS
VALUES ('03497770', 'Blue', 10, 'Guess');

INSERT INTO GLASS
VALUES ('02397777', 'Purple', 25, 'Gucci');


INSERT INTO SHOE
VALUES ('04393336', 'Black', 40, 10);

INSERT INTO SHOE
VALUES ('04393336', 'Black', 42, 10);

INSERT INTO SHOE
VALUES ('09123529', 'White', 44, 14);
```