**Shipper**

CREATE TABLE Shipper(

Shipper\_ID INT,

Address VARCHAR(50) NOT NULL,

S\_Name VARCHAR(20) NOT NULL,

Email VARCHAR(20),

S\_Type VARCHAR(10) NOT NULL,

PRIMARY KEY (Shipper\_ID)

)

**Category**

CREATE TABLE Category(

Category\_ID INT ,

Category\_Name VARCHAR(15) NOT NULL,

Cat\_Description VARCHAR(20),

PRIMARY KEY (Category\_ID)

)

**Customer**

CREATE TABLE Customer(

Customer\_ID INT,

First\_Name VARCHAR(30) NOT NULL,

Last\_Name VARCHAR(30) NOT NULL,

Email VARCHAR(20) NOT NULL,

Gender VARCHAR (1) NOT NULL,

Password\_enc VARCHAR(64) NOT NULL,

PhoneNo VARCHAR(12),

Shipping\_Address VARCHAR(50) NOT NULL,

Customer\_Type VARCHAR(10) NOT NULL,

Deals\_Utilized INT(4) ZEROFILL,

Deals\_Offered INT(4) ZEROFILL ,

PRIMARY KEY (Customer\_ID)

)

**Click\_stream**

CREATE TABLE Click\_Stream (

Event\_ID INT ,

Customer\_ID INT,

No\_of\_pages INT,

No\_of\_Clicks INT,

Time\_Spent INT,

PRIMARY KEY (Event\_ID),

FOREIGN KEY (Customer\_ID) REFERENCES Customer(Customer\_ID)

)

**Cart**

CREATE TABLE Cart(

Cart\_ID INT,

Customer\_ID INT,

Total\_Cost INT,

PRIMARY KEY (Cart\_ID),

FOREIGN KEY (Customer\_ID) REFERENCES Customer(Customer\_ID) ON DELETE CASCADE

)

**Product table**

CREATE TABLE Product(

Product\_ID INT,

Category\_ID INT,

SKU\_ID INT NOT NULL,

P\_Name VARCHAR(15) NOT NULL,

Ranking INT NOT NULL,

Selling\_Price FLOAT NOT NULL,

Discount FLOAT NOT NULL,

P\_Description VARCHAR(100) NOT NULL,

In\_Stock VARCHAR(5) NOT NULL,

Size VARCHAR(10) NOT NULL,

Colors VARCHAR(10) NOT NULL,

PRIMARY KEY (Product\_ID),

FOREIGN KEY (Category\_ID) REFERENCES Category(Category\_ID)

)

**Cart items**

CREATE TABLE Cart\_Items(

Cart\_ID ,INT,

Product\_ID INT,

Quantity INT,

PRIMARY KEY (Cart\_ID, Product\_ID),

FOREIGN KEY (Cart\_ID) REFERENCES Cart(Cart\_ID) ON DELETE CASCADE,

FOREIGN KEY (Product\_ID) REFERENCES Product(Product\_ID)

)

**Reviews**

CREATE TABLE Reviews(

Review\_ID INT,

Customer\_ID INT NOT NULL,

Product\_ID INT NOT NULL,

Review\_Text VARCHAR(1000),

Rating TINYINT,

Title VARCHAR(1000),

Review\_Date DATE,

PRIMARY KEY (Review\_ID),

FOREIGN KEY (Customer\_ID) REFERENCES Customer(Customer\_ID) ON DELETE CASCADE,

FOREIGN KEY (Product\_ID) REFERENCES Product(Product\_ID) ON DELETE CASCADE

)

**Orders**

CREATE TABLE Orders(

Order\_ID INT,

Shipper\_ID INT,

Customer\_ID INT,

Total\_Cost FLOAT,

Order\_Date DATE,

Total\_tax FLOAT,

Total\_Discount FLOAT,

Total\_Quantity FLOAT,

Shipping\_Date DATE,

PRIMARY KEY (Order\_ID),

FOREIGN KEY (Shipper\_ID) REFERENCES Shipper(Shipper\_ID),

FOREIGN KEY (Customer\_ID) REFERENCES Customer(Customer\_ID)

)

**Order items**

CREATE TABLE Order\_Items(

Order\_ID INT ,

Product\_ID INT,

Quantity INT,

PRIMARY KEY (Order\_ID, Product\_ID),

FOREIGN KEY (Order\_ID) REFERENCES Orders(Order\_ID),

FOREIGN KEY (Product\_ID) REFERENCES Product(Product\_ID)

)

**Payments**

CREATE TABLE Payments(

Payment\_ID INT,

Customer\_ID INT NOT NULL,

Order\_ID INT NOT NULL,

P\_Status VARCHAR(20),

P\_Type VARCHAR(20) ,

PRIMARY KEY (Payment\_ID),

FOREIGN KEY (Customer\_ID) REFERENCES Customer(Customer\_ID),

FOREIGN KEY (Order\_ID) REFERENCES Orders(Order\_ID)

)

**Returns**

CREATE TABLE Returns(

Return\_ID INT,

Order\_ID INT,

Customer\_ID INT,

Return\_Date DATE,

Total\_Items INT,

PRIMARY KEY (Return\_ID),

FOREIGN KEY (Customer\_ID) REFERENCES Customer(Customer\_ID),

FOREIGN KEY (Order\_ID) REFERENCES Orders(Order\_ID) ON DELETE CASCADE

)

**Return items**

CREATE TABLE Return\_Items(

Return\_ID INT,

Product\_ID INT,

Quantity INT,

PRIMARY KEY (Return\_ID, Product\_ID),

FOREIGN KEY (Return\_ID) REFERENCES Product(Return\_ID)

FOREIGN KEY (Product\_ID) REFERENCES Product(Product\_ID)

)

**Inserting values into category**

INSERT INTO category

VALUES

(123, 'fashion', 'very fashionable'),

(456, 'regular', 'just daily wear'),

(789, 'fancy','party clothes' ),

(101, 'expensive','as the name suggests' ),

(102, 'vibrant', 'true colors-nature');