TABLE—1:

```
CREATE TABLE Customers (
   CustomerID INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
   FirstName VARCHAR(100),
   LastName VARCHAR(100),
   Email VARCHAR(150) UNIQUE,
   Phone VARCHAR(20)
);
```

TABLE—2:

```
CREATE TYPE address_type_enum AS ENUM ('Billing', 'Shipping');
CREATE TABLE CustomerAddresses (
   AddressID INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
   CustomerID INT,
   AddressType address_type_enum,
   Street VARCHAR(255),
   City VARCHAR(100),
   State VARCHAR(100),
   ZipCode VARCHAR(20),
   Country VARCHAR(100),
   FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)
);
```

TABLE—3:

```
CREATE TABLE ProductCategories (
    CategoryID INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
    CategoryName VARCHAR(100)
);
```

TABLE—4:

```
CREATE TABLE Productss (
    ProductsID INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
    ProductName VARCHAR(150),
    Price DECIMAL(10, 2),
    Stock INT,
    CategoryID INT,
    FOREIGN KEY (CategoryID) REFERENCES ProductCategories(CategoryID)
);
```

TABLE—5:

```
CREATE TYPE order_status_enum AS ENUM ('Pending', 'Shipped', 'Delivered',
'Cancelled');

CREATE TABLE Orders (

   OrderID INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,

   CustomerID INT,

   OrderDate TIMESTAMP DEFAULT CURRENT_TIMESTAMP,

   Status order_status_enum,

   ShippingAddressID INT,

   BillingAddressID INT,

   FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID),

   FOREIGN KEY (ShippingAddressID) REFERENCES
CustomerAddresses(AddressID),

   FOREIGN KEY (BillingAddressID) REFERENCES CustomerAddresses(AddressID)

);
```

TABLE—6:

```
CREATE TABLE OrderDetails (

   OrderDetailID SERIAL PRIMARY KEY,

   OrderID INT,

   ProductsID INT,

   Quantity INT,

   FOREIGN KEY (OrderID) REFERENCES Orders(OrderID),

   FOREIGN KEY (ProductsID) REFERENCES Productss(ProductsID)

);
```

TABLE—7:

```
    CREATE TYPE payment_method_enum AS ENUM ('CreditCard', 'PayPal',
'BankTransfer');

    CREATE TYPE payment_status_enum AS ENUM ('Pending', 'Completed', 'Failed');

    CREATE TABLE Payments (

      PaymentID INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,

      OrderID INT,

      PaymentDate TIMESTAMP DEFAULT CURRENT_TIMESTAMP,

      PaymentMethod payment_method_enum,

      Amount DECIMAL(10, 2),

      PaymentStatus payment_status_enum,

      FOREIGN KEY (OrderID) REFERENCES Orders(OrderID)

    );
```

TABLE—8:

```
    CREATE TYPE delivery_status_enum AS ENUM ('Not Shipped', 'In Transit',
'Delivered');

    CREATE TABLE Shipping (

      ShippingID INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,

      OrderID INT,

      Carrier VARCHAR(100),

      TrackingNumber VARCHAR(100),

      EstimatedDelivery DATE,

      ShippedDate DATE,

      DeliveryStatus delivery_status_enum,

      FOREIGN KEY (OrderID) REFERENCES Orders(OrderID)

    );
```

TABLE—9:

```
CREATE TABLE ProductReviews (
  ReviewID INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
  ProductsID INT,
  CustomerID INT,
  Rating INT CHECK (Rating BETWEEN 1 AND 5),
  ReviewDate TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
  FOREIGN KEY (ProductsID) REFERENCES Productss(ProductsID),
  FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)
);
```

TABLE—10:

```
CREATE TYPE change_type_enum AS ENUM ('Restock', 'Sale', 'Return');
CREATE TABLE InventoryLogs (
  LogID INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,
  ProductsID INT,
  ChangeType change_type_enum,
  QuantityChanged INT,
  ChangeDate TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
  FOREIGN KEY (ProductsID) REFERENCES Productss(ProductsID)
);
```