Here is the complete SQL script, with the user_info table removed and the account_db renamed to snb_db as you requested, along with all other database schemas and their corresponding data.

-- SQL Script for Complete Database Creation and Data Insertion

```
--
======================================================================
==
-- 1. Cart and Checkout Database (cart_and_checkout_db)
--
======================================================================
==

DROP DATABASE IF EXISTS cart_and_checkout_db;
GO
CREATE DATABASE cart_and_checkout_db;
GO
USE cart_and_checkout_db;
GO

-- Create shopping_cart table
CREATE TABLE shopping_cart(
        [cart_id] [int] PRIMARY KEY IDENTITY(1,1) NOT NULL,
        [user_id] [int] NOT NULL,
        [cart_total] [decimal](10, 2) DEFAULT ((0.00)) NULL,
        [created_date] [datetime] NOT NULL,
        [last_updated_date] [datetime] NOT NULL
);
GO

-- Insert data into shopping_cart
INSERT INTO shopping_cart (user_id, cart_total, created_date, last_updated_date)
VALUES
(1, 150.00, GETDATE(), GETDATE()),
(2, 89.50, GETDATE(), GETDATE()),
(3, 210.75, GETDATE(), GETDATE());
GO
```

```sql
-- Create cart_items table
CREATE TABLE cart_items(
        [id] [int] PRIMARY KEY IDENTITY(1,1) NOT NULL,
        [cart_id] [int] NOT NULL,
        [product_id] [int] NOT NULL,
        [sku] [varchar](50) NOT NULL,
        [size] [varchar](50) NOT NULL,
        [quantity] [int] NOT NULL,
        [unit_price] [decimal](10, 2) NOT NULL,
        [discount] [decimal](10, 2) NOT NULL,
        [final_price] [decimal](10, 2) NOT NULL,
        [is_saved_for_later] [bit] NULL,
        CONSTRAINT [FK_CartItems_ShoppingCart] FOREIGN KEY([cart_id])
REFERENCES shopping_cart([cart_id])
);
GO

-- Insert data into cart_items
INSERT INTO cart_items (cart_id, product_id, sku, size, quantity, unit_price, discount,
final_price, is_saved_for_later)
VALUES
(1, 101, 'SKU001', 'M', 2, 50.00, 5.00, 95.00, 0),
(1, 102, 'SKU002', 'L', 1, 60.00, 5.00, 55.00, 0),
(2, 103, 'SKU003', 'S', 3, 30.00, 0.50, 89.50, 0),
(2, 104, 'SKU004', 'XL', 4, 40.00, 10.00, 150.00, 1),
(2, 105, 'SKU005', 'M', 2, 35.00, 5.00, 70.75, 0);
GO

-- Create user_addresses table
CREATE TABLE user_addresses(
        [id] [int] PRIMARY KEY IDENTITY(1,1) NOT NULL,
        [user_id] [int] NOT NULL,
        [address_lane_1] [varchar](255) NOT NULL,
        [address_lane_2] [varchar](255) NULL,
        [zipcode] [varchar](10) NOT NULL,
        [state] [varchar](100) NULL,
        [country] [varchar](100) NULL,
        [address_type] [varchar](50) NULL DEFAULT ('BILLING'),
        [contact_name] [varchar](200) NULL,
```

```sql
        [contact_phone_number] [varchar](15) NULL
);
GO

-- Insert data into user_addresses
INSERT INTO user_addresses (user_id, address_lane_1, address_lane_2, zipcode,
state, country, address_type, contact_name, contact_phone_number)
VALUES
(1, '123 Main St', 'Apt 1B', '10001', 'New York', 'USA', 'BILLING', 'John Doe', '1234567890'),
(1, '456 Elm St', NULL, '10002', 'New York', 'USA', 'SHIPPING', 'John Doe', '1234567890'),
(2, '789 Oak Ave', 'Suite 5', '90001', 'California', 'USA', 'BILLING', 'Jane Smith',
'9876543210'),
(3, '321 Pine Rd', NULL, '60601', 'Illinois', 'USA', 'BILLING', 'Mike Johnson', '5551234567');
GO

--
================================================================
==
-- 2. User Service and Search/Browse Database (snb_db) - RENAMED & UPDATED
--
================================================================
==

DROP DATABASE IF EXISTS snb_db;
GO
CREATE DATABASE snb_db;
GO
USE snb_db;
GO

-- Create users table (where user data was inserted)
CREATE TABLE users (
  user_id INT IDENTITY(1,1) PRIMARY KEY,
  first_name VARCHAR(100) NOT NULL,
  last_name VARCHAR(100) NOT NULL,
  email VARCHAR(100) NOT NULL UNIQUE,
  password VARCHAR(255) NOT NULL,
  phone_number VARCHAR(15)
);
```

```
GO

-- Insert data into users
INSERT INTO users (first_name, last_name, email, password, phone_number)
VALUES
('Arjun', 'Mehta', 'arjun.mehta@example.com', 'Pass@123', '9812345678'),
('Riya', 'Sharma', 'riya.sharma@example.com', 'Riya#2024', '9876543210'),
('Kabir', 'Singh', 'kabir.singh@example.com', 'Kabir@456', '9700011223'),
('Ananya', 'Rao', 'ananya.rao@example.com', 'Ana2025!*', '9733344455');
GO

--
================================================================
==
-- 3. Product Information Management System (pim_db)
--
================================================================
==

USE [master]
GO

DROP DATABASE IF EXISTS [pim_db];
GO

CREATE DATABASE [pim_db]
CONTAINMENT = NONE
ON  PRIMARY
( NAME = N'pim_db', FILENAME = N'C:\Program Files\Microsoft SQL
Server\MSSQL15.SQLEXPRESS\MSSQL\DATA\pim_db.mdf' , SIZE = 8192KB , MAXSIZE =
UNLIMITED, FILEGROWTH = 65536KB )
LOG ON
( NAME = N'pim_db_log', FILENAME = N'C:\Program Files\Microsoft SQL
Server\MSSQL15.SQLEXPRESS\MSSQL\DATA\pim_db_log.ldf' , SIZE = 8192KB ,
MAXSIZE = 2048GB , FILEGROWTH = 65536KB )
WITH CATALOG_COLLATION = DATABASE_DEFAULT
GO

ALTER DATABASE [pim_db] SET COMPATIBILITY_LEVEL = 150
```

```sql
GO

IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))
begin
EXEC [pim_db].[dbo].[sp_fulltext_database] @action = 'enable'
end
GO

ALTER DATABASE [pim_db] SET ANSI_NULL_DEFAULT OFF
GO
ALTER DATABASE [pim_db] SET ANSI_NULLS OFF
GO
ALTER DATABASE [pim_db] SET ANSI_PADDING OFF
GO
ALTER DATABASE [pim_db] SET ANSI_WARNINGS OFF
GO
ALTER DATABASE [pim_db] SET ARITHABORT OFF
GO
ALTER DATABASE [pim_db] SET AUTO_CLOSE OFF
GO
ALTER DATABASE [pim_db] SET AUTO_SHRINK OFF
GO
ALTER DATABASE [pim_db] SET AUTO_UPDATE_STATISTICS ON
GO
ALTER DATABASE [pim_db] SET CURSOR_CLOSE_ON_COMMIT OFF
GO
ALTER DATABASE [pim_db] SET CURSOR_DEFAULT  GLOBAL
GO
ALTER DATABASE [pim_db] SET CONCAT_NULL_YIELDS_NULL OFF
GO
ALTER DATABASE [pim_db] SET NUMERIC_ROUNDABORT OFF
GO
ALTER DATABASE [pim_db] SET QUOTED_IDENTIFIER OFF
GO
ALTER DATABASE [pim_db] SET RECURSIVE_TRIGGERS OFF
GO
ALTER DATABASE [pim_db] SET  DISABLE_BROKER
GO
ALTER DATABASE [pim_db] SET AUTO_UPDATE_STATISTICS_ASYNC OFF
```

```
GO
ALTER DATABASE [pim_db] SET DATE_CORRELATION_OPTIMIZATION OFF
GO
ALTER DATABASE [pim_db] SET TRUSTWORTHY OFF
GO
ALTER DATABASE [pim_db] SET ALLOW_SNAPSHOT_ISOLATION OFF
GO
ALTER DATABASE [pim_db] SET PARAMETERIZATION SIMPLE
GO
ALTER DATABASE [pim_db] SET READ_COMMITTED_SNAPSHOT OFF
GO
ALTER DATABASE [pim_db] SET HONOR_BROKER_PRIORITY OFF
GO
ALTER DATABASE [pim_db] SET RECOVERY SIMPLE
GO
ALTER DATABASE [pim_db] SET  MULTI_USER
GO
ALTER DATABASE [pim_db] SET PAGE_VERIFY CHECKSUM
GO
ALTER DATABASE [pim_db] SET DB_CHAINING OFF
GO
ALTER DATABASE [pim_db] SET FILESTREAM( NON_TRANSACTED_ACCESS = OFF )
GO
ALTER DATABASE [pim_db] SET TARGET_RECOVERY_TIME = 60 SECONDS
GO
ALTER DATABASE [pim_db] SET DELAYED_DURABILITY = DISABLED
GO
ALTER DATABASE [pim_db] SET QUERY_STORE = OFF
GO

USE [pim_db]
GO

-- Create categories table
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[categories](
```

```sql
        [category_id] [int] IDENTITY(1,1) NOT NULL,
        [name] [varchar](100) NULL,
        [category_image] [varchar](1000) NULL,
        [description] [varchar](255) NULL,
PRIMARY KEY CLUSTERED
(
        [category_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO

-- Create product_attributes table
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[product_attributes](
        [sku] [varchar](50) NOT NULL,
        [product_id] [int] NULL,
        [size] [varchar](50) NULL,
        [price] [decimal](10, 2) NULL,
        [product_image] [varchar](1000) NULL,
PRIMARY KEY CLUSTERED
(
        [sku] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO

-- Create products table
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[products](
        [product_id] [int] IDENTITY(1,1) NOT NULL,
        [name] [varchar](100) NULL,
```

```sql
        [category_id] [int] NULL,
        [status] [varchar](20) NULL,
        [last_modified_date] [datetime] NULL,
        [seller_id] [int] NULL,
PRIMARY KEY CLUSTERED
(
        [product_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO

-- Create seller table
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[seller](
        [id] [int] NOT NULL,
        [seller_name] [varchar](100) NULL,
        [contact_name] [varchar](100) NULL,
        [email] [varchar](100) NULL,
        [phone_number] [varchar](20) NULL,
        [address_line1] [varchar](255) NULL,
        [address_line2] [varchar](255) NULL,
        [city] [varchar](100) NULL,
        [state] [varchar](100) NULL,
        [zip_code] [varchar](20) NULL,
        [country] [varchar](100) NULL,
PRIMARY KEY CLUSTERED
(
        [id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO

-- Insert data into categories
SET IDENTITY_INSERT [dbo].[categories] ON
```

INSERT [dbo].[categories] ([category_id], [name], [category_image], [description]) VALUES (1, N'Men', NULL, N'Latest style for men')
INSERT [dbo].[categories] ([category_id], [name], [category_image], [description]) VALUES (2, N'Women', N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372782/women_ilhqk4.jpg', N'Trendy outfits for women')
INSERT [dbo].[categories] ([category_id], [name], [category_image], [description]) VALUES (3, N'Kids', N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372781/kids_vsvx7y.png', N'Fun and comfy clothes for kids')
INSERT [dbo].[categories] ([category_id], [name], [category_image], [description]) VALUES (10, N'Electronics', NULL, N'Electronic devices and gadgets')
SET IDENTITY_INSERT [dbo].[categories] OFF

-- Insert data into product_attributes
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-002', 2, N'S', CAST(250.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372937/2_v7ptnq.jpg')
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-003', 3, N'L', CAST(280.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372938/3_f5hlge.webp')
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-004', 4, N'XL', CAST(3000.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372939/4_lzhllm.webp')
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-005', 5, N'M', CAST(4000.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372940/5_b72fpn.webp')
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-006', 6, N'L', CAST(1750.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372941/6_blpmoz.webp')
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-007', 7, N'XL', CAST(550.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372942/7_nhuzqm.webp')
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-008', 8, N'S', CAST(7800.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372944/8_doudap.webp')
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-010', 10, N'M', CAST(1100.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372947/10_yfxkqp.jpg')

INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-011', 11, N'L', CAST(3000.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372948/11_txttse.jpg')
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-012', 12, N'XL', CAST(4500.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372950/12_wp9z53.jpg')
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-1-2', 1, N'M', CAST(20000.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372936/1_badv5r.jpg')
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-1-3', 1, N'L', CAST(1111.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372936/1_badv5r.jpg')
INSERT [dbo].[product_attributes] ([sku], [product_id], [size], [price], [product_image]) VALUES (N'SKU-13', 1, N'S', CAST(1000.00 AS Decimal(10, 2)), N'https://res.cloudinary.com/dtkfwzsis/image/upload/v1751372936/1_badv5r.jpg')

-- Insert data into products
SET IDENTITY_INSERT [dbo].[products] ON
INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (1, N'Men Cotton Shirts', 1, N'Inactive', CAST(N'2025-07-08T12:07:46.160' AS DateTime), 102)
INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (2, N'Men Casual Shirt', 1, N'Active', CAST(N'2025-07-02T16:51:06.927' AS DateTime), 101)
INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (3, N'Men Winter Jacket', 1, N'Active', CAST(N'2025-07-02T16:51:06.927' AS DateTime), 101)
INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (4, N'Men Leather Jacket', 1, N'Active', CAST(N'2025-07-02T16:51:06.927' AS DateTime), 102)
INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (5, N'Women Kurti Combo', 2, N'Active', CAST(N'2025-07-02T16:51:06.927' AS DateTime), 101)
INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (6, N'Women Blazer', 2, N'Active', CAST(N'2025-07-02T16:51:06.927' AS DateTime), 102)
INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (7, N'Women Winter Wear', 2, N'Active', CAST(N'2025-07-02T16:51:06.927' AS DateTime), 102)

INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (8, N'Women Crop Jacket', 2, N'Active', CAST(N'2025-07-02T16:51:06.927' AS DateTime), 101)
INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (9, N'Kids Casual T-shirt', 3, N'Active', CAST(N'2025-07-02T16:51:06.927' AS DateTime), 101)
INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (10, N'Kids Party Frock', 3, N'Active', CAST(N'2025-07-02T16:51:06.927' AS DateTime), 102)
INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (11, N'Kids Hoodie', 3, N'Active', CAST(N'2025-07-02T16:51:06.927' AS DateTime), 101)
INSERT [dbo].[products] ([product_id], [name], [category_id], [status], [last_modified_date], [seller_id]) VALUES (12, N'Kids Jeans Set', 3, N'Active', CAST(N'2025-07-02T16:51:06.927' AS DateTime), 102)
SET IDENTITY_INSERT [dbo].[products] OFF

-- Insert data into seller
INSERT [dbo].[seller] ([id], [seller_name], [contact_name], [email], [phone_number], [address_line1], [address_line2], [city], [state], [zip_code], [country]) VALUES (101, N'TechBazaar', N'Alice Kumar', N'xyz@nisum.com', N'9999999999', N'Street 1', NULL, N'Hyderabad', N'TS', N'500001', N'India')
INSERT [dbo].[seller] ([id], [seller_name], [contact_name], [email], [phone_number], [address_line1], [address_line2], [city], [state], [zip_code], [country]) VALUES (102, N'HomeNeeds', N'Bob Reddy', N'bob@homeneeds.com', N'8888888888', N'Street 2', NULL, N'Bangalore', N'KA', N'560001', N'India')

-- Add foreign key constraints and default values
ALTER TABLE [dbo].[products] ADD DEFAULT (getdate()) FOR [last_modified_date]
GO
ALTER TABLE [dbo].[product_attributes] WITH CHECK ADD FOREIGN KEY([product_id])
REFERENCES [dbo].[products] ([product_id])
GO
ALTER TABLE [dbo].[products] WITH CHECK ADD FOREIGN KEY([category_id])
REFERENCES [dbo].[categories] ([category_id])
GO
ALTER TABLE [dbo].[products] WITH CHECK ADD FOREIGN KEY([seller_id])
REFERENCES [dbo].[seller] ([id])

```
GO

USE [master]
GO
ALTER DATABASE [pim_db] SET READ_WRITE
GO


--
================================================================
==
-- 4. Order Management System Database (oms_db_a)
--
================================================================
==

DROP DATABASE IF EXISTS oms_db_a;
GO
CREATE DATABASE oms_db_a;
GO
USE oms_db_a;
GO

-- Create orders table
CREATE TABLE orders (
    id INT PRIMARY KEY IDENTITY,
    user_id INT NOT NULL,
    order_date DATETIME,
    order_status VARCHAR(20) CHECK (order_status IN ('Pending','Ordered', 'Cancelled',
'Failed')),
    promo_discount DECIMAL(10,2),
    order_total DECIMAL(10, 2),
    address_id INT NOT NULL
);
GO

-- Insert data into orders
INSERT INTO orders (user_id, order_date, order_status, promo_discount, order_total,
address_id)
VALUES
```

```
(1, '2025-06-30 10:30:00', 'Ordered', 20.00, 200.00, 1),
(1, '2025-07-01 14:15:00', 'Ordered', 10.50, 150.00, 1),
(1, '2025-07-01 09:45:00', 'Pending', 5.00, 120.00, 1),
(1, '2025-07-04 18:00:00', 'Ordered', 0.00, 100.00, 1),
(1, '2025-07-05 12:00:00', 'Pending', 15.00, 250.00, 1);
GO

-- Create order_items table
CREATE TABLE order_items (
    id INT PRIMARY KEY IDENTITY,
    order_id INT,
    product_id INT NOT NULL,
    sku VARCHAR(50),
    quantity INT,
    unit_price DECIMAL(10,2),
    discount DECIMAL(10,2),
    final_price DECIMAL(10,2),
    size VARCHAR(20),
    status VARCHAR(50) CHECK (status IN ('Ordered','Shipped', 'Cancelled', 'Returned',
'Failed')),
    seller_id INT NOT NULL,
    FOREIGN KEY (order_id) REFERENCES orders(id)
);
GO

-- Insert data into order_items
INSERT INTO order_items (order_id, product_id, sku, quantity, unit_price, discount,
final_price, size, status, seller_id)
VALUES
(1, 301, 'SKU-RED-TSHIRT', 2, 100.00, 20.00, 180.00, 'M', 'Ordered', 10),
(2, 302, 'SKU-BLUE-JEANS', 1, 150.00, 10.50, 139.50, 'L', 'Shipped', 11),
(3, 303, 'SKU-WHITE-CAP', 1, 120.00, 5.00, 115.00, 'Free', 'Shipped', 12),
(4, 304, 'SKU-BLACK-SHOES', 1, 100.00, 0.00, 100.00, '8', 'Ordered', 13),
(5, 305, 'SKU-GREEN-HOODIE', 1, 250.00, 15.00, 235.00, 'XL', 'Ordered', 14);
GO

-- Create order_invoice table
CREATE TABLE order_invoice (
    id INT PRIMARY KEY IDENTITY,
```

```sql
    order_id INT,
    invoice_number VARCHAR(100),
    invoice_date DATETIME,
    payment_mode VARCHAR(50) CHECK (payment_mode IN
('Card','Wallet','NetBanking', 'UPI', 'EMI','COD')),
    invoice_amount DECIMAL(10, 2),
    FOREIGN KEY (order_id) REFERENCES orders(id)
);
GO

-- Insert data into order_invoice
INSERT INTO order_invoice (order_id, invoice_number, invoice_date, payment_mode,
invoice_amount)
VALUES
(1, 'INV-1001', '2025-06-30 11:00:00', 'UPI', 200.00),
(2, 'INV-1002', '2025-07-01 14:30:00', 'Card', 150.00),
(3, 'INV-1003', '2025-07-01 10:00:00', 'Wallet', 120.00),
(4, 'INV-1004', '2025-07-04 18:30:00', 'COD', 100.00),
(5, 'INV-1005', '2025-07-05 12:15:00', 'NetBanking', 250.00);
GO

-- Create shipment_items table
CREATE TABLE shipment_items (
    id INT PRIMARY KEY IDENTITY,
    order_item_id INT,
    item_tracking_id VARCHAR(50),
    item_status VARCHAR(50) CHECK(item_status IN ('Pending', 'InTransit', 'Delivered')),
    shipment_date DATETIME,
    delivered_date DATETIME,
    FOREIGN KEY (order_item_id) REFERENCES order_items(id)
);
GO

-- Insert data into shipment_items
INSERT INTO shipment_items (order_item_id, item_tracking_id, item_status,
shipment_date, delivered_date)
VALUES
(1, 'TRACK-ORD1001', 'Delivered', '2025-06-30 14:00:00', '2025-07-02 16:00:00'),
(2, 'TRACK-ORD1002', 'Delivered', '2025-07-01 18:00:00', '2025-07-03 13:00:00'),
```

```sql
(3, 'TRACK-ORD1003', 'InTransit', '2025-07-01 13:00:00', NULL),
(4, 'TRACK-ORD1004', 'Delivered', '2025-07-04 20:00:00', '2025-07-06 15:00:00'),
(5, 'TRACK-ORD1005', 'Pending', '2025-07-05 16:00:00', NULL);
GO

-- Create order_returns table
CREATE TABLE order_returns (
    id INT PRIMARY KEY IDENTITY,
    order_item_id INT,
    return_date DATETIME,
    return_reason VARCHAR(255),
    return_status VARCHAR(50) CHECK(return_status IN ('Requested', 'Approved',
'Rejected', 'Completed')),
    refund_amount DECIMAL(10,2),
    FOREIGN KEY (order_item_id) REFERENCES order_items(id)
);
GO

-- Insert data into order_returns
INSERT INTO order_returns (order_item_id, return_date, return_reason, return_status,
refund_amount)
VALUES
(1, '2025-07-04 10:00:00', 'Size too small', 'Completed', 180.00),
(2, '2025-07-05 12:30:00', 'Wrong item received', 'Approved', 139.50),
(4, '2025-07-08 09:15:00', 'Product defective', 'Requested', 100.00);
GO

--
================================================================
==
-- 5. Inventory Management System (ims_db) - UPDATED SCHEMA & DATA
--
================================================================
==

DROP DATABASE IF EXISTS ims_db;
GO
CREATE DATABASE ims_db;
GO
```

```sql
USE ims_db;
GO

-- Create inventory table
CREATE TABLE inventory (
    id INT IDENTITY(1,1) PRIMARY KEY,
    sku VARCHAR(50) NOT NULL,
    category_id INT NOT NULL,
    location VARCHAR(100) NOT NULL,
    available_qty INT NOT NULL CHECK (available_qty >= 0),
    CONSTRAINT UQ_sku_category UNIQUE (sku, category_id)
);
GO

-- Insert data into inventory
INSERT INTO inventory (sku, category_id, location, available_qty)
VALUES
('SKU-001', 1,'Warehouse 101', 100),
('SKU-002', 1,'Warehouse 102', 150),
('SKU-003', 1,'Warehouse 101', 200),
('SKU-004', 1,'Warehouse 103', 80),
('SKU-005', 2,'Warehouse 104', 50);
GO

-- Create order_inventory table
CREATE TABLE order_inventory (
    id INT IDENTITY(1,1) PRIMARY KEY,
    order_id VARCHAR(50) NOT NULL,
    sku VARCHAR(50) NOT NULL,
    category_id INT NOT NULL,
    reserved_qty INT DEFAULT 0 CHECK (reserved_qty >= 0),
    allocated_qty INT DEFAULT 0 CHECK (allocated_qty >= 0),
    is_cancelled BIT DEFAULT 0,
    CONSTRAINT FK_order_inventory
        FOREIGN KEY (sku, category_id)
        REFERENCES inventory(sku, category_id)
);
GO
```

```sql
-- Insert data into order_inventory
INSERT INTO order_inventory (order_id, sku, category_id, reserved_qty, allocated_qty,
is_cancelled) VALUES
(1, 'SKU-001',1, 10, 5, 0),
(2, 'SKU-002',1, 15, 15, 0),
(3, 'SKU-003', 1, 0, 0, 1),
(4, 'SKU-004', 1, 20, 10, 0),
(5, 'SKU-005', 2, 5, 5, 0);
GO

--
======================================================================
==
-- 6. Catalog Management System (cms_db)
--
======================================================================
==

-- Login and User Creation (as provided in your input)
CREATE LOGIN cms
WITH PASSWORD = 'Welcome@2026';
GO

DROP DATABASE IF EXISTS cms_db;
GO
CREATE DATABASE cms_db;
GO

USE cms_db;
GO

CREATE USER cms FOR LOGIN cms;
ALTER ROLE db_owner ADD MEMBER cms;
GO

-- Create Promo table
CREATE TABLE Promo (
    promo_type VARCHAR(100) NOT NULL,
    promo_code VARCHAR(50) PRIMARY KEY,
```

```sql
    description VARCHAR(100),
    amount INT,
    status VARCHAR(50) DEFAULT 'Active' -- added status column with default value
);
GO

-- Insert data into Promo
INSERT INTO Promo (promo_type, promo_code, description, amount, status)
VALUES
('Seasonal', 'PROMO2025', 'Summer sale discount', 200, 'Active'),
('Festival', 'PROMO2026', 'Diwali special offer', 500, 'Active'),
('Clearance', 'PROMO2027', 'End of season clearance', 300, 'Active');
GO

-- Create product_categories table
-- Note: Foreign keys are commented out as per your provided schema.
CREATE TABLE product_categories (
    product_category_id INT PRIMARY KEY IDENTITY(1,1),
    category_id INT,
    sku VARCHAR(50) NOT NULL,
    price INT,
    discount FLOAT
    --FOREIGN KEY (category_id) REFERENCES Categories(category_id),
    --FOREIGN KEY (sku) REFERENCES Product(sku)
);
GO

-- Insert data into product_categories
INSERT INTO product_categories (category_id, sku, price, discount)
VALUES
(1, 'SKU1001', 1200, 10.5),
(2, 'SKU1002', 1500, 5.0),
(3, 'SKU1003', 800, 15.0);
GO

-- Create Promotion_product_join table
-- Note: Foreign keys are commented out as per your provided schema.
CREATE TABLE Promotion_product_join (
    product_id INT,
```

```sql
    promo_code VARCHAR(50)
--  FOREIGN KEY (product_id) REFERENCES Product(product_id),
--  FOREIGN KEY (promo_code) REFERENCES Promo(promo_code)
);
GO

-- Insert data into Promotion_product_join
INSERT INTO Promotion_product_join (product_id, promo_code)
VALUES
(101, 'PROMO2025'),
(102, 'PROMO2026'),
(103, 'PROMO2027');
GO
```