SQL Assignment

Instructions:

1. Mention any valid assumptions taken
2. Write the complete SQL statements with syntax

Table Details:

Orders	
Column Name	Column Definition
Order_day	Date when the order is placed (YYYY-MM-DD)
Order_Id	Unique identifier of an order (Alfa-numeric)
Customer_Id	Unique identifier of a customer (Alfa-numeric)
Product_Id	Unique identifier of a product (Alfa-numeric)
Quantity	Count of product (Integer)

*an order can have multiple items and categories

Items	
Column Name	Column Definition
Product_Id	Unique identifier of a product (Alfa-numeric)
Product_Name	Name of a product (Character)
Category	Category of product (Character)
Price	Price in INR (Decimal)

Inventory	
Column Name	Column Definition
Product_Id	Unique identifier of a product (Alfa-numeric)
Inventory_City	City where the inventory is placed (Character)
Quantity	Count of product (Integer)

Link for the Tables data:

Inventory table: Inventory Table.xlsx

Items table: Items Table.xlsx

Order Table: Order Table.xlsx

Questions:

1. Of all the products available in the "Books" category, what percentage did not have any sales in June 2021?
2. Number of Customers who ordered more than 1 book in the first quarter of 2021?
3. List of all "Phones" category products which were in stock in Bangalore, Mumbai and Delhi locations and were sold at least 3 times (units) in last 2 weeks?

4. Top 10 products in terms of sales (units) only for total order value > 500 for 2020?
5. All Orders which had at least 2 books and overall order value < 500 for June 2021 (one order can have multiple items and categories).