

Write SQL query based on following table for the E-commerce system:

1. Customer Table

Column Name	Data Type	Description
customer_id	INT (primary key)	Unique identifier for the customer
first_name	VARCHAR(255)	Customer's first name
last_name	VARCHAR(255)	Customer's last name
email	VARCHAR(255)	Customer's email address
phone_number	VARCHAR(20)	Customer's phone number (optional)

2. Product table

Column Name	Data Type	Description
product_id	INT (primary key)	Unique identifier for the product
name	VARCHAR(255)	Name of the product
description	TEXT	Detailed description of the product
price	DECIMAL(10,2)	Price of the product
category_id	INT	Foreign key referencing the 'categories' table
image_url	VARCHAR(255)	URL of the product image (optional)
stock_quantity	INT	Current stock quantity of the product

3. Order Table

Column Name	Data Type	Description
order_id	INT (primary key)	Unique identifier for the order
customer_id	INT	Foreign key referencing the 'customers' table
order_date	DATETIME	Date and time the order was placed
order_status	VARCHAR(50)	Current status of the order (e.g., "pending", "shipped")
total_price	DECIMAL(10,2)	Total price of the order

4. Order Item Table

Column Name	Data Type	Description
order_item_id	INT (primary key)	Unique identifier for the order item
order_id	INT	Foreign key referencing the 'orders' table
product_id	INT	Foreign key referencing the 'products' table
quantity	INT	Quantity of the product ordered
price	DECIMAL(10,2)	Price of the product at the time of the order

5. Category Table

Column Name	Data Type	Description
category_id	INT (primary key)	Unique identifier for the category
name	VARCHAR(255)	Name of the product category

