E- COMMERCE Database Schema Description

1. customers table

Stores **customer details**, including login credentials.

- **customer_id** → Unique identifier for each customer.
- **name** → Full name of the customer.
- **email** → Unique email address for login.
- **password** → Hashed password for authentication.

2. products table

Stores **product details** available for purchase.

- **product_id** → Unique identifier for each product.
- **name** → Name of the product.
- **price** → Cost of the product.
- **description** → Text describing the product.
- **stockQuantity** → Number of items in stock.

3. cart table

Stores **temporary cart items** before checkout.

- **cart_id** → Unique identifier for each cart entry.
- **customer_id** → Customer who added the product (FK).
- **product_id** → Product added to the cart (FK).
- **quantity** → Number of items of that product in the cart.

4. orders table

Stores **customer orders** after checkout.

- **order_id** → Unique identifier for each order.
- **customer_id** → Customer who placed the order (FK).
- **order_date** → Date when the order was placed.
- **total_price** → Total cost of the order.
- **shipping_address** → Address where the order is delivered.

5. order_items table

Stores **individual product details** within an order.

- **order_item_id** → Unique identifier for each order item.
- **order_id** → Order this item belongs to (FK).

- **product_id** → Product purchased in the order (FK).

- **quantity** → Number of items purchased.