Mock Test Questions

Question 1

Create a Database based on the Mock ER Diagram, write the SQL script required to create all four tables with accurate data types and relationships. Primary keys on each table should all start from one and be auto-incremented by one as each row is added.

Question 2

Create a SQL script to **count how many customers are currently registered**.

Question 3

Create a SQL script to display the **product name, price, and stock** for all products that have **less than 80 stock**, ordered by **lowest stock first**.

Question 4

Create a SQL script which shows **id, order_date, and order_status** for all orders that currently have a status of **"Delivered"**, sorted by **oldest orders first**.

Question 5

Create a SQL script which displays the customer's **full name, phone, email, and total amount spent (€)** across all their orders, sorted by the **highest spend first**.

(Hint: total spend comes from summing OrderItem "price" values per customer.)

Question 6

Create a SQL script to show the **product name and price** for all products priced **between €10.00 and €20.00 (inclusive)**, sorted by **price descending**.

Question 7

A sales manager has requested information on the **best selling items by quantity sold**.
Create a **VIEW** showing the **product name, description, price, total units sold, and total revenue (€)**, for the **top 5** selling products (by **total units sold**).

Question 8

Create a SQL script which displays the customer's **customer_id, full name, and total number of orders placed**, but **only for customers who have placed 2 or more orders**, sorted by **highest orders first**.

Question 9

Create a SQL script which displays **all product details** for products which **have not been ordered yet**.

Question 10

The business wants to remove old fulfilled orders to reduce database size.
Create a SQL script to **delete all orders with order_status = 'Delivered'**, ensuring that any related records in **OrderItem** are removed correctly.

Question 11

The sales team have advised that the product named **"Cordless Mini Vacuum"** has had a price reduction from **€33.45 to €29.95**.
Create a SQL script to update this product's price accordingly.

Question 12

Create a SQL script to display the **total number of units sold each month** and the **total revenue per month (€)**.
For each month:

- "Units sold" must consider the **quantity** purchased.
- Revenue must be the sum of **OrderItem price** values.
  Sort results by **oldest month first**.