

## SQL Theory

CustomerID	FirstName	LastName	Email	Phone	City
1	Musa	Ahmed	musa.ahmed@hotmail.com	0803-123-0001	Lagos
2	Ray	Samson	ray.samson@yahoo.com	0803-123-0002	Ibadan
3	Chinedu	Okafor	chinedu.ok@yahoo.com	0803-123-0003	Enugu
4	Dare	Adewale	dare.ad@hotmail.com	0803-123-0004	Abuja
5	Efe	Ojo	efe.oj@gmail.com	0803-123-0005	Port Harcourt
6	Aisha	Bello	aisha.bello@hotmail.com	0803-123-0006	Kano
7	Tunde	Salami	tunde.salami@yahoo.com	0803-123-0007	Ilorin
8	Nneka	Umeh	nneka.umeh@gmail.com	0803-123-0008	Owerri
9	Kelvin	Peters	kelvin.peters@hotmail.com	0803-123-0009	Asaba
10	Blessing	Mark	blessing.mark@gmail.com	0803-123-0010	Uyo

## SQL Theory

ProductID	ProductName	Category	UnitPrice (₹)	StockQty
1	Wireless Mouse	Accessories	7,500	120
2	USB-C Charger 65W	Electronics	14,500	75
3	Noise-Cancel Headset	Audio	85,500	50
4	27" 4K Monitor	Displays	185,000	20
5	Laptop Stand	Accessories	19,500	90
6	Bluetooth Speaker	Audio	52,000	60
7	Mechanical Keyboard	Accessories	18,500	40
8	WebCam 1080p	Electronics	25,000	55
9	Smartwatch Series 5	Wearables	320,000	30
10	Portable SSD 1TB	Storage	125,000	35

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OrderID	CustomerID	ProductID	OrderDate	Quantity
1001	1	3	2025-06-01	1
1002	2	1	2025-06-03	2
1003	3	5	2025-06-05	1
1004	4	4	2025-06-10	1
1005	5	2	2025-06-12	3
1006	6	7	2025-06-15	1
1007	7	6	2025-06-18	2
1008	8	8	2025-06-20	1
1009	9	9	2025-06-22	1
1010	10	10	2025-06-25	2

## SQL Theory

1. Create a new database called *AxiaStores*. ( 10 Marks)
2. Inside *AxiaStores*, create the three tables(Customer, Product, Orders)
  - i. Create a table named **CustomerTB** with the following columns:

- **CustomerID** (INT)
- **FirstName** (VARCHAR)
- **LastName** (VARCHAR)
- **Email** (VARCHAR)
- **Phone** (VARCHAR)
- **City** (VARCHAR)

*After creating the table, insert the following 10 records into it:*

- 1 - Musa Ahmed – musa.ahmed@hotmail.com – 0803-123-0001 – Lagos
- 2 - Ray Samson – ray.samson@yahoo.com – 0803-123-0002 – Ibadan
- 3 - Chinedu Okafor – chinedu.ok@yahoo.com – 0803-123-0003 – Enugu
- 4 - Dare Adewale – dare.ad@hotmail.com – 0803-123-0004 – Abuja
- 5 - Efe Ojo – efe.oj@gmail.com – 0803-123-0005 – Port Harcourt
- 6 - Aisha Bello – aisha.bello@hotmail.com – 0803-123-0006 – Kano
- 7 - Tunde Salami – tunde.salami@yahoo.com – 0803-123-0007 – Ilorin
- 8 - Nneka Umeh – nneka.umeh@gmail.com – 0803-123-0008 – Owerri
- 9 - Kelvin Peters – kelvin.peters@hotmail.com – 0803-123-0009 – Asaba
- 10 - Blessing Mark – blessing.mark@gmail.com – 0803-123-0010 – Uyo

Be sure to write both the **CREATE TABLE** and **INSERT INTO SQL** statements accordingly.

- ii. Create a table named **ProductTB** with the following columns:

- **ProductID** (INT)
- **ProductName** (VARCHAR)
- **Category** (VARCHAR)
- **UnitPrice** (DECIMAL)
- **StockQty** (INT)

*After creating the table, insert the following 10 product records:*

- 1 - Wireless Mouse – Accessories – 7,500 – 120
- 2 - USB-C Charger 65W – Electronics – 14,500 – 75
- 3 - Noise-Cancel Headset – Audio – 85,500 – 50
- 4 - 27" 4K Monitor – Displays – 185,000 – 20
- 5 - Laptop Stand – Accessories – 19,500 – 90
- 6 - Bluetooth Speaker – Audio – 52,000 – 60

## SQL Theory

7 - Mechanical Keyboard – Accessories – 18,500 – 40

8 - WebCam 1080p – Electronics – 25,000 – 55

9 - Smartwatch Series 5 – Wearables – 320,000 – 30

10 - Portable SSD 1TB – Storage – 125,000 – 35

Make sure to use the appropriate SQL data types when creating the table, and write the **CREATE TABLE** and **INSERT INTO** statements properly.

iii. Create a table named **OrdersTB** with the following columns:

- **OrderID** (INT)
- **CustomerID** (INT)
- **ProductID** (INT)
- **OrderDate** (DATE)
- **Quantity** (INT)

After creating the table, insert the following 10 order records:

1001 – 1 – 3 – 2025-06-01 – 1

1002 – 2 – 1 – 2025-06-03 – 2

1003 – 3 – 5 – 2025-06-05 – 1

1004 – 4 – 4 – 2025-06-10 – 1

1005 – 5 – 2 – 2025-06-12 – 3

1006 – 6 – 7 – 2025-06-15 – 1

1007 – 7 – 6 – 2025-06-18 – 2

1008 – 8 – 8 – 2025-06-20 – 1

1009 – 9 – 9 – 2025-06-22 – 1

1010 – 10 – 10 – 2025-06-25 – 2

3. Ensure proper use of data types and data constraints where necessary (20 Marks)
4. Return the FirstName and Email of every customer who has ever purchased the product “Wireless Mouse”. (10 Marks)
5. List all customers’ full names in ascending alphabetical order (LastName, then FirstName). (10 Marks)
6. Show every order together with the customer’s full name, the product name, quantity, unit price, total price (quantity × unit price), and order date. (20 Marks)
7. Show average sales per product category and sort in descending order (20Marks)
8. Which city generated the highest revenue for AxiaStores? (10Marks)

**Mode of Submission: Kindly submit the .sql file**