Atlys Visa Refund SQL Project – 20 Questions

1. Show all users in the users table.

2. Show all orders where country = 'US'.

3. Display order_id, country, visa_type for orders where amount > 10000.

4. Display all failed payments (status = 'FAILED').

5. List all unique visa types available.

6. Show all orders sorted by highest amount first.

7. Count number of orders per country.

8. Calculate total revenue per visa_type.

9. Show country-wise average order amount.

10. Display order_id, user name, and payment status for all orders (INNER JOIN orders, users, payments).

11. Display user name, country, and refund_amount for all refunded orders (JOIN orders,
payments, refunds).

12. Show employee name, user name, and amount for all failed payments (JOIN 4 tables:
employees, orders, payments, users).

13. Show total refund amount processed by each employee (LEFT JOIN orders, payments, refunds with COALESCE).

14. Find all employees who processed more than 3 orders (GROUP BY + HAVING).

15. Find countries where total revenue > 30000 (GROUP BY + HAVING).

16. Find users whose total spending is higher than the average spending of all users (subquery in HAVING).

17. Find users who have never had a failed payment (subquery with NOT IN).

18. For each employee, show total number of users they have served (DISTINCT user_id
count).

19. Show users who have both a SUCCESS and a FAILED payment (use GROUP BY +HAVING with SUM CASE).

20. FINAL TASK: Build an export-ready dataset for the refund bot. Select payment_id, user name, country, visa_type, amount, payment_date ONLY for failed payments where no COMPLETED refund exists. Use JOINs between users, orders, payments, and refunds and ensure results are ordered by payment_date ASC.