

SQL Coding Exam (3rd Oct)

Instructions:

- Duration – 1 hour 30 Minutes
- Submission – 10 Minutes
- Total Marks – 50 Marks

Section A

7*2=14M

1. Write a query to display average order amount for each customer ID
(**Tables to use:** Orders)
2. Show the total revenue generated by each product on '2023-09-05'
Revenue = Quantity * Price
(**Tables to use:** Sales)
3. Find the employee with the highest performance rating. Display the Rating and Year for the same.
(**Tables to use:** Performance)
4. Write a query to find the date with the highest quantity
(**Tables to use:** Sales)
5. List all customers who have never placed an order
(**Tables to use:** Customer)
6. Calculate the total revenue generated from each product
(**Tables to use:** Products)
7. List the top 5 products based on Price.
(**Tables to use:** Products)

Section B

5*5=25M

8. List all employees who have received a performance rating higher than the average rating in their department for 2023
(**Tables to use:** Employees, Performance)
9. For each product, display the percentage of total revenue generated compared to the total revenue generated by all products combined
(**Tables to use:** Products, Sales)
10. Display the running total of revenue for each product, ordered by sale date
(**Tables to use:** Products, Sales)
11. Find the first sale date and total revenue for each product. Display only those products where the total revenue exceeds \$1000.
(**Tables to use:** Products, Sales)
12. For each employee, find the average performance rating over the last 5 years, and compare this to the department's average rating for the same period. Display employees whose performance is above their department's average.
(**Tables to use:** Employees, Performance)
13. Identify customers who have placed at least two orders in each of the last three months (July, August, and September 2023). Display their names along with the number of orders placed in each month.
(**Tables to use:** Customers, Orders)

Section C

1*6=6M

14. Find customers who have placed orders on more than 3 consecutive days.
(**Tables to use:** Customers, Orders)