TREENETRA EDUCATION OF SOFTWARE TECHNOLOGY

ASSIGNMENT – SQL SERVER – INTERVIEW QUESTION

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Analytical Funcation	20	

1. Analytical FUNCATION BASED QUERY QUESTION

Table : Sales

sales_id	product_id	sale_date	quantity
1	1	02-01-2023	10
2	1	03-02-2023	5
3	2	04-03-2023	8
4	2	06-05-2023	12
5	3	23-08-2023	15
6	3	26-04-2023	20

Question 1: What is the total quantity of products sold on each sale date?

Question 2: What is the running total of quantity sold for each product ?

Question 3: What is the rank of each product based on the total quantity sold?

Question 4: What is the dense rank of each product based on the total quantity sold?

Question 5: What is the row number of each sale?

Question 6: What is the maximum quantity sold on each sale date?

Question 7: What is the minimum quantity sold on each sale date?

Question 8: What is the average quantity sold on each sale date?

Question 9: What is the difference in quantity sold compared to the previous sale date?

Question 10: What is the cumulative sum of quantity sold per product?

Question 11: What is the first sale date for each product?

Question 12: What is the last sale date for each product?

Question 13: What is the cumulative sum of quantity sold for all products?

Question 14: What is the percentage of quantity sold compared to the total quantity?

Question 15: What is the difference in quantity sold compared to the average quantity?

Question 16: What is the maximum quantity sold for each product?

Question 17: What is the minimum quantity sold for each product?

Question 18: What is the average quantity sold for each product?

Question 19: What is the cumulative maximum quantity sold per product ?

Question 20: What is the cumulative minimum quantity sold per product?