

Good Query:

QUESTION:What is the percentage of jobs having quantity 7 during the period 2023

QUERY:MATCH (wo: `Work Order` )

WHERE wo.job\_id = '2ea13652-fd4c-4cc1-9e6f-fdda67a844d5'

AND wo.`ship\_date` >= datetime('2023-01-01T00:00:00')

AND wo.`ship\_date` <= datetime('2023-12-31T23:59:59')

WITH

COUNT(CASE WHEN wo.`job\_ship\_qty` = 7 THEN 1 END) AS jobs\_qty\_7,

COUNT(wo) AS total\_jobs

RETURN

toFloat(jobs\_qty\_7) / toFloat(total\_jobs) \* 100 AS percentage\_jobs\_qty\_7;

Good Query:

QUESTION:What was the revenue by customer for market commercial during the period 2023?

QUERY:MATCH (c: `Customer` )-[:places]-(so: `Sales Order` )-[:`results to` ]-(wo: `Work Order` )

WHERE wo.job\_id = '2ea13652-fd4c-4cc1-9e6f-fdda67a844d5'

AND wo.`ship\_date` >= datetime('2023-01-01T00:00:00')

AND wo.`ship\_date` <= datetime('2023-12-31T23:59:59')

AND toLower(wo.`market\_\_description` ) CONTAINS 'commercial'

WITH c.`\$\$Name\$\$` AS customer\_name, SUM(wo.`revenue` ) AS total\_revenue

ORDER BY total\_revenue DESC

RETURN customer\_name, total\_revenue;

Good Query:

QUESTION:List in table form the on-time delivery of workorders by month in 2023

QUERY:MATCH (wo: `Work Order` )

WHERE wo.job\_id = '2ea13652-fd4c-4cc1-9e6f-fdda67a844d5'

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AND wo.`ship_date` >= datetime('2023-01-01T00:00:00')
AND wo.`ship_date` < datetime('2024-01-01T00:00:00')
WITH
wo.`ship_month` AS ship_month,
COUNT(CASE WHEN wo.`lateshipments` = 'On Time' THEN 1 END) AS on_time_count,
COUNT(wo) AS total_count
RETURN
ship_month,
toFloat(on_time_count) / toFloat(total_count) * 100 AS on_time_percentage
ORDER BY ship_month;

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Good Query:

QUESTION: List in table form for all months of 2023 the percentage of late shipments

QUERY: MATCH (wo: `Work Order` )

WHERE wo.job\_id = '2ea13652-fd4c-4cc1-9e6f-fdda67a844d5'

AND wo.`ship\_date` >= datetime('2023-01-01T00:00:00')

AND wo.`ship\_date` <= datetime('2023-12-31T23:59:59')

WITH

wo.`ship\_month` AS ship\_month,

COUNT(CASE WHEN toLower(wo.`lateshipments`) CONTAINS 'late' THEN 1 END) AS  
late\_shipments,

COUNT(wo) AS total\_shipments

RETURN

ship\_month,

toFloat(late\_shipments) / toFloat(total\_shipments) \* 100 AS  
percentage\_late\_shipments

ORDER BY ship\_month;

Good Query:

QUESTION:List the top 5 part quantities and their associated description

QUERY:MATCH (p: `Part` )-[ `produces` ]-(wo: `Work Order` )

WHERE p.job\_id = '2ea13652-fd4c-4cc1-9e6f-fdda67a844d5'

WITH p.`part\_description` AS part\_description, SUM(wo.`job\_ship\_qty` ) AS  
total\_quantity, p.`\$\$Name\$\$` AS part\_name

ORDER BY total\_quantity DESC

RETURN part\_name, part\_description, total\_quantity

LIMIT 5;