Good Query:

QUESTION:What was the revenue contribution of the 'Fixed/Mil' in 2018?

QUERY:MATCH (wo:`Work Order`)

WHERE wo.job_id = '2ea13652-fd4c-4cc1-9e6f-fdda67a844d5'

AND wo.`ship_date` >= datetime('2018-01-01T00:00:00')

AND wo.`ship_date` <= datetime('2018-12-31T23:59:59')

WITH

SUM(CASE WHEN toLower(wo.`market__description`) CONTAINS 'fixed/mil' THEN wo.`revenue` ELSE 0 END) AS revenue_mil,

SUM(wo.`revenue`) AS total_revenue

RETURN

toFloat(revenue_mil) / toFloat(total_revenue) * 100 AS revenue_contribution_mil;

Good Query:

QUESTION:What was the Revenue by Value Stream during the period Q1-2023?

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('2023-03-31T23:59:59')

WITH wo.`value_stream` AS value_stream, SUM(wo.`revenue`) AS total_revenue

RETURN value_stream, total_revenue

ORDER BY total_revenue DESC;

Good Query:

QUESTION:What was the Revenue by Value Stream during the period Q1-2022?

QUERY:MATCH (wo:`Work Order`)

WHERE wo.job_id = '2ea13652-fd4c-4cc1-9e6f-fdda67a844d5'

AND wo.`ship_date` >= datetime('2022-01-01T00:00:00')

AND wo.`ship_date` <= datetime('2022-03-31T23:59:59')

WITH wo.`value_stream` AS value_stream, SUM(wo.`revenue`) AS total_revenue

RETURN value_stream, total_revenue

ORDER BY total_revenue DESC;

Good Query:

QUESTION:What was the Revenue By License Program during the periods of Q1-2023.

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('2023-03-31T23:59:59')

WITH wo.`program` AS program, SUM(wo.`revenue`) AS total_revenue

RETURN program, total_revenue

ORDER BY total_revenue DESC;

Good Query:

QUESTION:How many parts with descriptions containing 'tire' or 'cage' were produced in work orders and shipped in 2022?

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

WHERE wo.job_id = '2ea13652-fd4c-4cc1-9e6f-fdda67a844d5'

AND wo.`ship_date` >= datetime('2022-01-01T00:00:00')

AND wo.`ship_date` <= datetime('2022-12-31T23:59:59')

AND (toLower(p.`part_description`) CONTAINS 'tire' OR toLower(p.`part_description`) CONTAINS 'cage')

RETURN COUNT(p) AS parts_with_tire_or_cage;

Good Query:

QUESTION:What was the Calibration Jobs By Customer during the period 2023

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

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(p.`part_description`) CONTAINS 'calibration'

WITH c.`$$Name$$` AS customer_name, COUNT(wo) AS calibration_jobs

RETURN customer_name, calibration_jobs

ORDER BY calibration_jobs DESC

```
LIMIT 20;
```

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'
 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;
```

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;
```