MS-SQL Case Study 3 (Burger Bash)

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**Day 4 – 7/11/2024 (Thursday)**

1. **How many burgers were ordered?**

🡪 SELECT COUNT(\*) AS total\_burgers\_ordered

FROM customer\_orders;

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1. **How many unique customer orders were made?**

🡪 SELECT COUNT(DISTINCT order\_id) AS unique\_customer\_orders

FROM customer\_orders;

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1. **How many successful orders were delivered by each runner?**

🡪 SELECT runner\_id, COUNT(\*) AS successful\_orders

FROM runner\_orders

WHERE cancellation IS NULL

GROUP BY runner\_id;

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1. **How many of each type of burger was delivered?**

🡪 SELECT b.burger\_name, COUNT(co.order\_id) AS burger\_count

FROM customer\_orders co

JOIN burger\_names b ON co.burger\_id = b.burger\_id

GROUP BY b.burger\_name;

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1. **How many Vegetarian and Meatlovers were ordered by each customer?**

🡪 SELECT co.customer\_id, b.burger\_name, COUNT(co.order\_id) AS burger\_count

FROM customer\_orders co

JOIN burger\_names b ON co.burger\_id = b.burger\_id

GROUP BY co.customer\_id, b.burger\_name

ORDER BY co.customer\_id, b.burger\_name;

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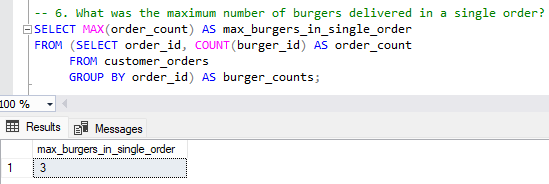
1. **What was the maximum number of burgers delivered in a single order?**

🡪 SELECT MAX(order\_count) AS max\_burgers\_in\_single\_order

FROM (SELECT order\_id, COUNT(burger\_id) AS order\_count

FROM customer\_orders

GROUP BY order\_id) AS burger\_counts;



1. **What was the total volume of burgers ordered for each hour of the day?**

🡪

SELECT DATEPART(hour, order\_time) AS order\_hour, COUNT(order\_id) AS total\_burgers\_ordered

FROM customer\_orders

GROUP BY DATEPART(hour, order\_time)

ORDER BY order\_hour;

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