**SQL Case Study 2: Burger Bash**

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**INTRODUCTION:**

I have a started a new business of selling burger because I read on my Instagram

feed that „Burger Is the Future!

But I knew that burger alone was not going to help me get seed funding to expand

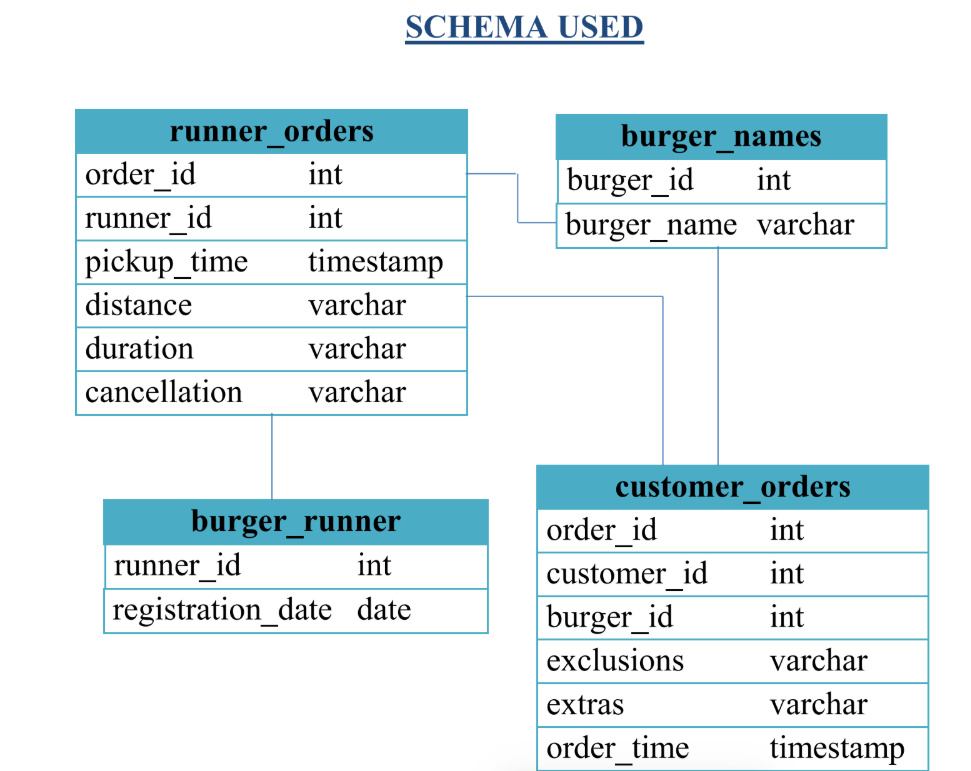
my new Burger Empire - so I had one more genius idea to combine with it - I was

going to Uberize it - and so Burger Runner was launched!

I started by recruiting “runners” to deliver fresh burger from Burger Runner

Headquarters and also maxed out my credit card to pay freelance developers to

build a mobile app to accept orders from customers.



**CASE STUDY QUESTIONS**

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

select count(burger\_id) burger from customer\_orders;



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

select count(distinct customer\_id) Unique\_customer from customer\_orders;

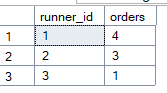


**3. How many successful orders were delivered by each runner?**

select runner\_id,count(\*) as orders from runner\_orders

where cancellation is NULL

group by runner\_id;



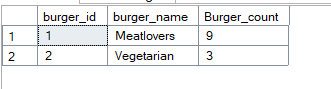
**4. How many of each type of burger was delivered?**

select c.burger\_id,burger\_name,count(\*) Burger\_count

from customer\_orders c join burger\_names b on c.burger\_id =b.burger\_id join runner\_orders r on c.order\_id=r.order\_id

where r.cancellation is NULL

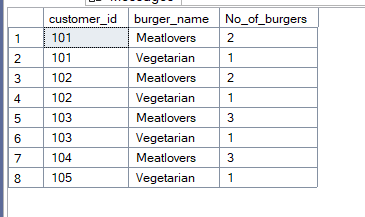
group by c.burger\_id,b.burger\_name;



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

select customer\_id,burger\_name, count(c.burger\_id) as No\_of\_burgers from customer\_orders c join burger\_names b on c.burger\_id = b.burger\_id

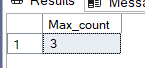
group by c.burger\_id,customer\_id,burger\_name;



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

select max(burger\_count) Max\_count from (select order\_id,count(\*) as burger\_count from customer\_orders

group by order\_id)a



**7. For each customer, how many delivered burgers had at least 1 change and how many had no changes?**

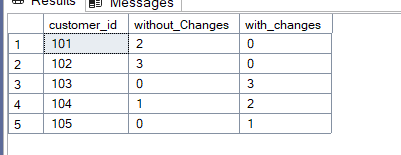
select customer\_id,sum(case when (exclusions is NULL and extras is null )then 1 else 0 end) as without\_Changes,

sum(case when (exclusions is not NULL or extras is not null )then 1 else 0 end) as with\_changes

from customer\_orders c join runner\_orders r on c.order\_id=r.order\_id

where cancellation is null

group by customer\_id;

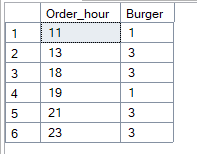


**8. What was the total volume of burgers ordered for each hour of the day?**

select DATEPART(HOUR,order\_time) as Order\_hour, count(\*) as Burger from customer\_orders

group by DATEPART(HOUR,order\_time)

order by 1;



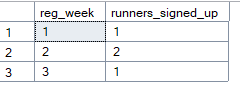
**9. How many runners signed up for each 1 week period?**

select datepart(week, registration\_date) as reg\_week,count(\*) as runners\_signed\_up

from burger\_runner

group by datepart(year, registration\_date), datepart(week, registration\_date)

order by reg\_week;



**10. What was the average distance travelled for each customer?**

select c.customer\_id,avg(try\_cast(replace(replace(r.distance, 'km', ''), ' ', '') as float)) as avg\_distance\_km

from customer\_orders c join runner\_orders r on c.order\_id = r.order\_id

where r.cancellation is null

group by c.customer\_id;

