Sql module 3 capston project

1.What is the highest sales amount in a day?

select \* from sales\_fact

select date,sum(priceusd\*quantity) from sales\_fact

group by date

order by 2 desc

limit 1

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What is the total sales of the category ‘Dairy’?

select \* from sales\_fact

select \* from category\_dim

select \* from geography\_dim

select c.category\_desc,sum(quantity\*priceusd) from sales\_fact s

inner join category\_dim c

on s.product\_id=c.product\_id

group by c.category\_desc

having c.category\_desc = 'dairy'

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3.Which city has the highest sales?

select \* from sales\_fact

select \* from category\_dim

select \* from geography\_dim

select g.city,sum(quantity\*priceusd) from sales\_fact s

inner join geography\_dim g

on s.store\_id = g.store\_id

group by 1

order by 2 desc

limit 1

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4..How many customers spent less than Rs. 3000?

select \* from sales\_fact

select \* from category\_dim

select \* from geography\_dim

select count(\*) from

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select customer\_id,sum(quantity\*priceusd)"t" from sales\_fact

group by 1

having sum(quantity\*priceusd) <3000

order by t desc

)sales\_fact;

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5.What is the sales of the category ‘Cereals’ in the city Bangalore?

select \* from sales\_fact

select \* from category\_dim

select \* from geography\_dim

select c.category\_desc,sum(priceusd\*quantity)"total" from sales\_fact s

inner join category\_dim c

on s.product\_id = c.product\_id

inner join geography\_dim g

on g.store\_id = s.store\_id

where city = "Bangalore"

group by 1

having category\_desc="cereals"

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6.Which category is the top category in terms of sales for the location Mumbai?

select \* from sales\_fact

select \* from category\_dim

select \* from geography\_dim

select c.category\_desc,g.city,sum(quantity\*priceusd)from sales\_fact s

inner join category\_dim c

on s.product\_id = c.product\_id

inner join geography\_dim g

on g.store\_id = s.store\_id

where g.city ="mumbai"

group by 1

order by 3 desc

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7.What is the highest sales value of category Drinks and Beverages in a single transaction? Value should reflect only sales of the mentioned category.

select \* from sales\_fact

select \* from category\_dim

select \* from geography\_dim

select transaction\_id,sum(quantity\*priceusd)"total" from sales\_fact s

inner join category\_dim c

on s.product\_id = c.product\_id

where c.category\_desc = "Drinks & Bevrages"

group by 1

order by 2 desc

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8.What is the average amount spent per customer in Chennai?

select \* from sales\_fact

select \* from category\_dim

select \* from geography\_dim

select g.city,sum(quantity\*priceusd)/count(distinct customer\_id)"avg" from sales\_fact s

inner join geography\_dim g

on s.store\_id = g.store\_id

where g.city = "chennai"

group by 1

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9.What is the sales amount of the lowest selling product in ‘Cereals’?

select \* from sales\_fact

select \* from category\_dim

select \* from geography\_dim

select s.product\_id,sum(quantity\*priceusd) from sales\_fact s

inner join category\_dim c

on s.product\_id = c.product\_id

where category\_desc = "cereals"

group by 1

order by 2

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10.What is the average revenue per customer in Maharashtra?

select \* from sales\_fact

select \* from category\_dim

select \* from geography\_dim

select state,sum(quantity\*priceusd)/count(distinct product\_id)"avg" from sales\_fact s

inner join geography\_dim g

on s.store\_id = g.store\_id

where g.state = "Maharashtra"

group by state