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Lab – 2

1.Sales total w.r.t. Categories by store by day

select count(unit\_sales) as "Total Sales", category, store\_key, day\_of\_week

FROM (Product inner join [Sales\_Fact] ON Product.product\_key = [Sales\_Fact].product\_key) inner join Time ON [Sales\_Fact].time\_key = Time.time\_key

group by category, store\_key, day\_of\_week order by store\_key;

2.Sales Total by store by day

select count(unit\_sales) as "Total Sales", name, day\_of\_week FROM (Store inner join [Sales\_Fact] ON Store.store\_key = [Sales\_Fact].store\_key) inner join Time ON [Sales\_Fact].time\_key = Time.time\_key group by name, day\_of\_week order by name;

3.Sales Total of district by product by day

select count(unit\_sales) as "Total Sales", sales\_district, description day\_of\_week FROM ((Product inner join [Sales\_Fact] ON Product.product\_key = [Sales\_Fact].product\_key) inner join Store ON [Sales\_Fact].store\_key = Store.store\_key) inner join Time ON [Sales\_Fact].time\_key = Time.time\_key group by sales\_district, description, day\_of\_week;

4. Sales total for a month by product by store

select count(unit\_sales) as "Total Sales", month, description , store\_key

FROM (Product inner join [Sales\_Fact] ON Product.product\_key = [Sales\_Fact].product\_key) inner join Time ON [Sales\_Fact].time\_key = Time.time\_key

group by month, description , store\_key order by month, store\_key;

5. Sales total for a year by product by store

select count(unit\_sales) as "Total Sales", year, description , store\_key

FROM (Product inner join [Sales\_Fact] ON Product.product\_key = [Sales\_Fact].product\_key) inner join Time ON [Sales\_Fact].time\_key = Time.time\_key

group by year, description , store\_key order by year, description;

6. Sales Total by year by All stores by product

select count(unit\_sales) as "Total Sales", year, store\_key, description

FROM (Product inner join [Sales\_Fact] ON Product.product\_key = [Sales\_Fact].product\_key) inner join Time ON [Sales\_Fact].time\_key = Time.time\_key

group by year, store\_key, description order by year, store\_key;

7. Sales Total of category by month by district

select count(unit\_sales) as "Total Sales", category, month, sales\_district

FROM ((Product inner join [Sales\_Fact] ON Product.product\_key = [Sales\_Fact].product\_key) inner join Store ON [Sales\_Fact].store\_key = Store.store\_key) inner join Time ON [Sales\_Fact].time\_key = Time.time\_key

group by category, month, sales\_district order by category, month;

8. Sales Total of category by store by year

select count(unit\_sales) as "Total Sales", category, name, year FROM ((Product inner join [Sales\_Fact] ON Product.product\_key = [Sales\_Fact].product\_key) inner join Store ON [Sales\_Fact].store\_key = Store.store\_key) inner join Time ON [Sales\_Fact].time\_key = Time.time\_key group by category, name, year order by category, name;

9. Sales Total of category by store by month

select count(unit\_sales) as "Total Sales", category, name, month FROM ((Product inner join [Sales\_Fact] ON Product.product\_key = [Sales\_Fact].product\_key) inner join Store ON [Sales\_Fact].store\_key = Store.store\_key) inner join Time ON [Sales\_Fact].time\_key = Time.time\_key group by category, name, month order by category, name;

10.Calculate average selling price for a given period of time.

select avg(dollar\_sales) as "Average selling price", month FROM [Sales\_Fact] inner join Time ON [Sales\_Fact].time\_key = Time.time\_key group by month order by month;