**MODERN DATABASE SYSTEM LAB 9**

**RETAIL SALES ANALYTICS PART-IV**

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SELECT st.TYPE, AVG(f.TEMPERATURE) AS AvgTemperatureOnHolidays

FROM stores\_data st

INNER JOIN (

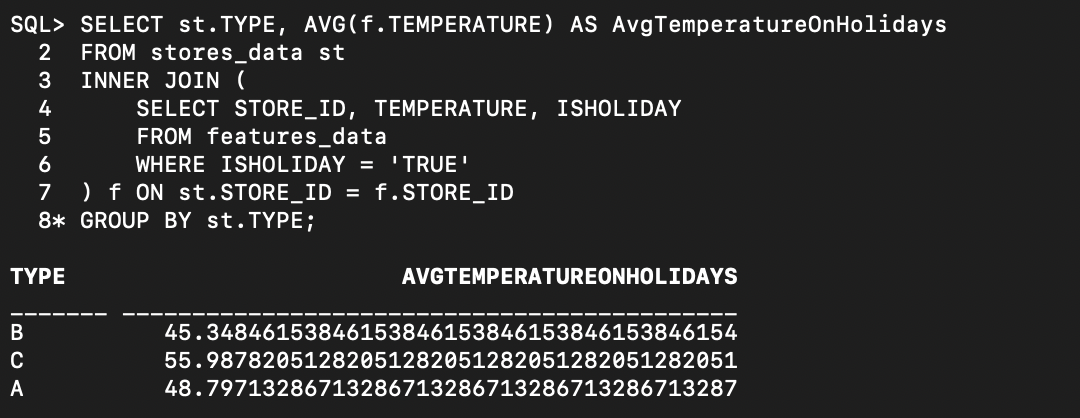
SELECT STORE\_ID, TEMPERATURE, ISHOLIDAY

FROM features\_data

WHERE ISHOLIDAY = 'TRUE'

) f ON st.STORE\_ID = f.STORE\_ID

GROUP BY st.TYPE;



SELECT s.STORE\_ID, s.TotalWeeklySales

FROM (

SELECT STORE\_ID, SUM(WEEKLY\_SALES) AS TotalWeeklySales

FROM sales\_data

GROUP BY STORE\_ID

HAVING SUM(WEEKLY\_SALES) = (

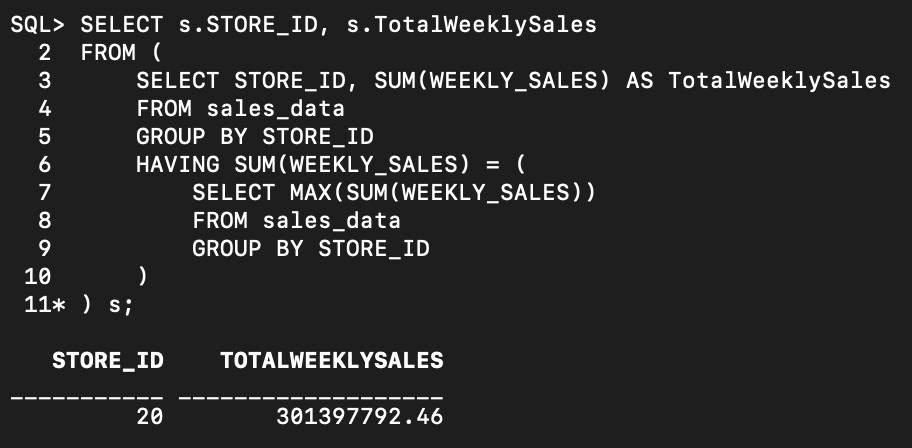
SELECT MAX(SUM(WEEKLY\_SALES))

FROM sales\_data

GROUP BY STORE\_ID

)

) s;



SELECT st.TYPE, AVG(s.TotalWeeklySales) AS AvgWeeklySales

FROM stores\_data st

LEFT JOIN (

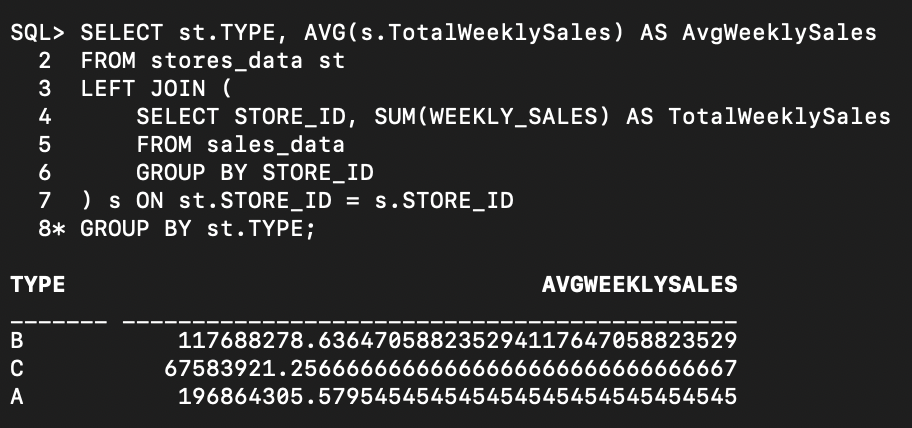
SELECT STORE\_ID, SUM(WEEKLY\_SALES) AS TotalWeeklySales

FROM sales\_data

GROUP BY STORE\_ID

) s ON st.STORE\_ID = s.STORE\_ID

GROUP BY st.TYPE;



SELECT s.STORE\_ID, s.TYPE, s.MAX\_WEEKLY\_SALES

FROM (

SELECT st.STORE\_ID, st.TYPE, MAX(sd.WEEKLY\_SALES) AS MAX\_WEEKLY\_SALES

FROM stores\_data st

INNER JOIN sales\_data sd ON st.STORE\_ID = sd.STORE\_ID

GROUP BY st.STORE\_ID, st.TYPE

) s

WHERE s.MAX\_WEEKLY\_SALES = (

SELECT MAX(WEEKLY\_SALES)

FROM sales\_data

);

