NAME: PAVITHIRAN.V   **ROLL.NO: 235229122**

```
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;
```

```
SQL> SELECT st.TYPE, AVG(f.TEMPERATURE) AS AvgTemperatureOnHolidays
  2  FROM stores_data st
  3  INNER JOIN (
  4      SELECT STORE_ID, TEMPERATURE, ISHOLIDAY
  5      FROM features_data
  6      WHERE ISHOLIDAY = 'TRUE'
  7  ) f ON st.STORE_ID = f.STORE_ID
  8* GROUP BY st.TYPE;

TYPE                    AVGTEMPERATUREONHOLIDAYS
------- ------------------------------------------------
B          45.3484615384615384615384615384615384615384154
C          55.9878205128205128205128205128205128205128051
A          48.7971328671328671328671328671328671328671328713287
```

```
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;
```

```
SQL> SELECT s.STORE_ID, s.TotalWeeklySales
  2  FROM (
  3      SELECT STORE_ID, SUM(WEEKLY_SALES) AS TotalWeeklySales
  4      FROM sales_data
  5      GROUP BY STORE_ID
  6      HAVING SUM(WEEKLY_SALES) = (
  7          SELECT MAX(SUM(WEEKLY_SALES))
  8          FROM sales_data
  9          GROUP BY STORE_ID
 10      )
 11* ) s;

   STORE_ID    TOTALWEEKLYSALES
---------- -------------------
        20       301397792.46
```

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;

```
SQL> SELECT st.TYPE, AVG(s.TotalWeeklySales) AS AvgWeeklySales
  2  FROM stores_data st
  3  LEFT JOIN (
  4      SELECT STORE_ID, SUM(WEEKLY_SALES) AS TotalWeeklySales
  5      FROM sales_data
  6      GROUP BY STORE_ID
  7  ) s ON st.STORE_ID = s.STORE_ID
  8* GROUP BY st.TYPE;

TYPE                                          AVGWEEKLYSALES
------- ---------------------------------------------
B          117688278.636470588235294117647058823529
C          67583921.2566666666666666666666666666667
A          196864305.579545454545454545454545454545
```

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
);

```
SQL> SELECT s.STORE_ID, s.TYPE, s.MAX_WEEKLY_SALES
  2  FROM (
  3      SELECT st.STORE_ID, st.TYPE, MAX(sd.WEEKLY_SALES) AS MAX_WEEKLY_SALES
  4      FROM stores_data st
  5      INNER JOIN sales_data sd ON st.STORE_ID = sd.STORE_ID
  6      GROUP BY st.STORE_ID, st.TYPE
  7  ) s
  8  WHERE s.MAX_WEEKLY_SALES = (
  9      SELECT MAX(WEEKLY_SALES)
 10      FROM sales_data
 11* );

   STORE_ID TYPE        MAX_WEEKLY_SALES
----------- ------- --------------------
         10 B                  693099.36
```