Name: Swetha.K Roll No: 235229143

) s;

## LAB 9 : RETAIL SALES ANALYTICS PART-IV

```
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 (
           SELECT STORE_ID, TEMPERATURE, ISHOLIDAY
           FROM features_data
           WHERE ISHOLIDAY = 'TRUE'
    7 ) f ON st.STORE_ID = f.STORE_ID
   8* GROUP BY st.TYPE;
                               AVGTEMPERATUREONHOLIDAYS
  TYPE
             45.34846153846153846153846153846153846154
 C
             55.98782051282051282051282051282051282051
             48.79713286713286713286713286713286713287
 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
```

```
SQL> SELECT s.STORE_ID, s.TotalWeeklySales
   2
      FROM (
   3
           SELECT STORE_ID, SUM(WEEKLY_SALES) AS TotalWeeklySales
           FROM sales_data
   5
          GROUP BY STORE_ID
   6
          HAVING SUM(WEEKLY_SALES) = (
               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 (
           SELECT STORE_ID, SUM(WEEKLY_SALES) AS TotalWeeklySales
           FROM sales_data
           GROUP BY STORE_ID
      ) s ON st.STORE_ID = s.STORE_ID
   8* GROUP BY st.TYPE;
TYPE
                                            AVGWEEKLYSALES
              117688278.636470588235294117647058823529
C
             67583921.256666666666666666666666666666
              196864305.57954545454545454545454545454545
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
        FROM stores_data st
 5
        INNER JOIN sales_data sd ON st.STORE_ID = sd.STORE_ID
        GROUP BY st.STORE_ID, st.TYPE
 6
 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
```