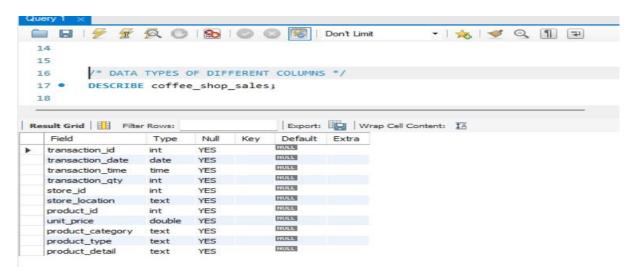
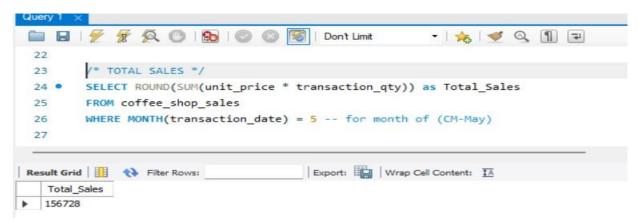
COFFEE SHOP SALES ANALYSIS -SQL QUERRIES WITH RESULTS

1. DATA TYPES OF DIFFERENT COLUMNS



2.TOTAL SALES



3.TOTAL SALES - MOM DIFFERENCE & MOM GROWTH (APRIL & MAY)

```
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                                                     - | 🏂 | 🥩 🔍 🗻 🖃
         * TOTAL SALES KPI - MOM DIFFERENCE AND MOM GROWTH */
        SELECT
 28
           MONTH(transaction_date) AS month,
 29
            ROUND(SUM(unit_price * transaction_qty)) AS total_sales,
 30
            (SUM(unit_price * transaction_qty) - LAG(SUM(unit_price * transaction_qty), 1)
 31
            OVER (ORDER BY MONTH(transaction_date))) / LAG(SUM(unit_price * transaction_qty), 1)
 32
            OVER (ORDER BY MONTH(transaction_date)) * 100 AS mom_increase_percentage
 33
        FROM
 34
 35
           coffee_shop_sales
 36
        WHERE
           MONTH(transaction_date) IN (4, 5) -- for months of April and May
 37
 38
        GROUP BY
 39
           MONTH(transaction_date)
 40
        ORDER BY
        MONTH(transaction_date);
Export: Wrap Cell Content: IA
  month total_sales mom_increase_percentage
       156728 31.769242384551315
```

4. TOTAL ORDERS

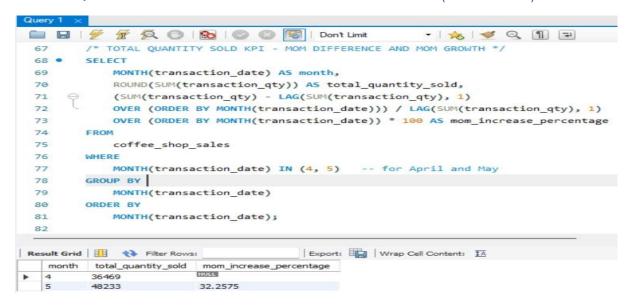
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                                                    - | 🌟 | 🥩 🔍 🗻 🖘
 41
           MONTH(transaction_date);
 42
        /* TOTAL ORDERS*/
 43
 44 .
        SELECT COUNT(transaction_id) as Total_Orders
        FROM coffee shop sales
 45
 46
        WHERE MONTH (transaction_date) = 5 -- for month of (CM-May)
Export: Wrap Cell Content: IA
   Total_Orders
  33527
```

5. TOTAL ORDERS - MOM DIFFERENCE & MOM GROWTH (APRIL & MAY)

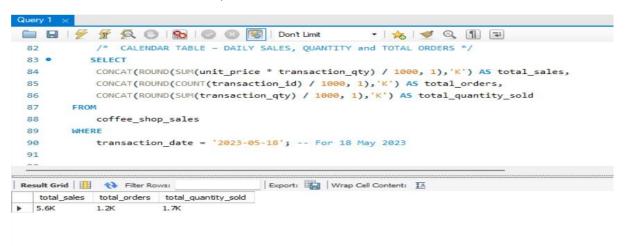
```
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                                                      - | 🏂 | 🥩 Q 🕦 🖃
 47
        /* TOTAL ORDERS KPI - MOM DIFFERENCE AND MOM GROWTH */
        SELECT
 48
 49
           MONTH(transaction_date) AS month,
 50
           ROUND(COUNT(transaction_id)) AS total_orders,
 51 😑
          (COUNT(transaction_id) - LAG(COUNT(transaction_id), 1)
           OVER (ORDER BY MONTH(transaction_date))) / LAG(COUNT(transaction_id), 1)
 52
 53
           OVER (ORDER BY MONTH(transaction_date)) * 100 AS mom_increase_percentage
 54
       FROM
 55
            coffee_shop_sales
 56
       WHERE
 57
           MONTH(transaction_date) IN (4, 5) -- for April and May
 58
        GROUP BY
          MONTH(transaction_date)
 59
       ORDER BY
 60
           MONTH(transaction_date);
 62
                                     Export: Wrap Cell Content: IA
month total_orders mom_increase_percentage
4 25335
         25335
  5 33527 32.3347
```

6. TOTAL QUANTITY SOLD

7. TOTAL QUANTITY SOLD - MOM DIFFERENCE & MOM GROWTH (APRIL & MAY)



8.CALENDER TABLE- DAILY SALES, QUANTITY & TOTAL ORDERS



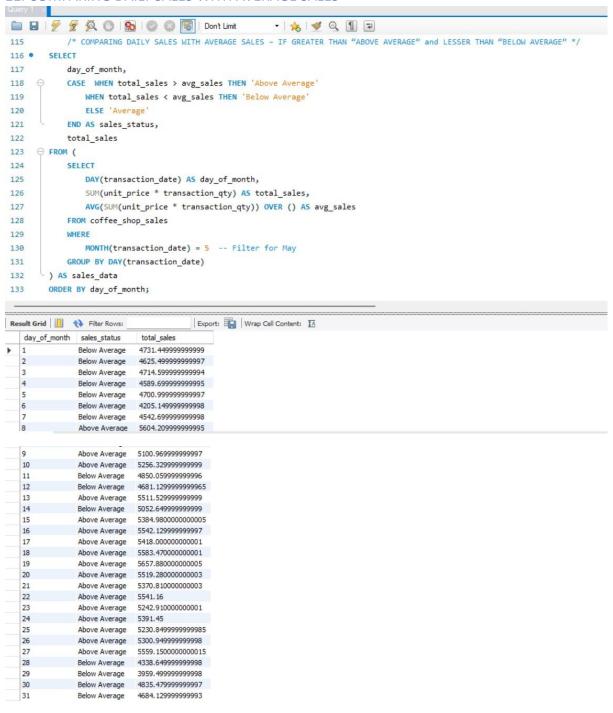
9. SALES TREND OVER PERIOD

```
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 91
        /* SALES TREND OVER PERIOD */
 92 •
        SELECT AVG(total_sales) AS average_sales
 93
      FROM (
 94
           SELECT
               SUM(unit_price * transaction_qty) AS total_sales
 96
 97
               coffee shop sales
 98
           WHERE
               MONTH(transaction_date) = 5 -- Filter for May
 99
100
            GROUP BY
        transaction_date
      ) AS internal_query;
102
103
Result Grid | 11 (*) Filter Rows:
                                    Export: Wrap Cell Content: TA
   average_sales
► 5055.7341935483855
```

10. DAILY SALES FOR MAY

```
Query 1 ×
                                                          • | 🏂 | 🥩 🔍 🗻 🖘
 🚞 🖫 | 🐓 💯 👰 🔘 | 🗞 | 🔘 🔞 | Don't Limit
         /* DAILY SALES FOR MONTH SELECTED */
 103
 104 •
         SELECT
             DAY(transaction_date) AS day_of_month,
 105
             ROUND(SUM(unit_price * transaction_qty),1) AS total_sales
 106
 107
         FROM
             coffee shop sales
 108
         WHERE
 109
             MONTH(transaction_date) = 5 -- Filter for May
 110
         GROUP BY
 111
 112
             DAY(transaction date)
         ORDER BY
 113
 114
             DAY(transaction_date);
                                         Export: Wrap Cell Content: IA
 day_of_month
                total_sales
                4731.4
   1
    2
                4625.5
                4714.6
    4
                4589.7
    5
                4701
    6
                4205.1
    7
                4542.7
                5604.2
    9
                5101
    10
                5256.3
    11
                4850.1
    12
                4681.1
    13
                5511.5
                5052.6
    14
    15
                5385
    16
                5542.1
   17
                5418
```

11. COMPARING DAILY SALES WITH AVERAGE SALES

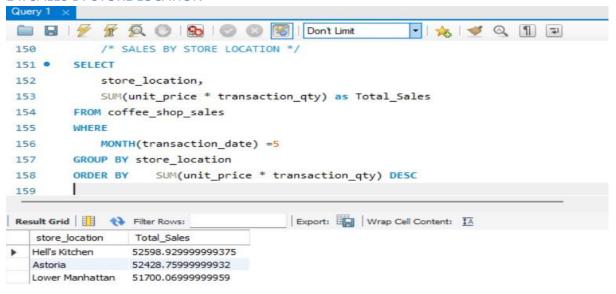


12. SALES BY WEEKDAY / WEEKEND

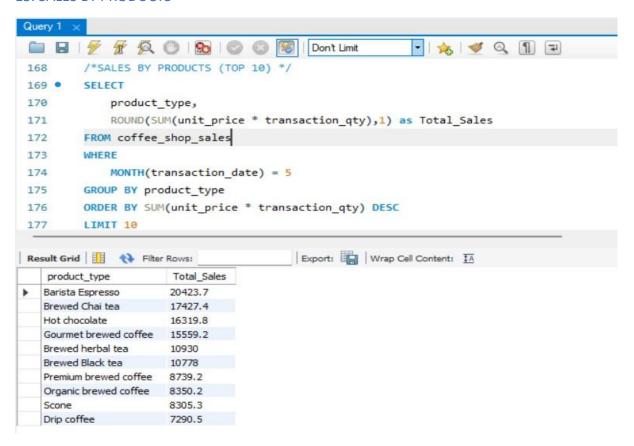
Packaged Chocolate 981.1

```
- | 🏂 | 🥩 🔍 🕦 🖃
        /* SALES BY WEEKDAY / WEEKEND:
 134
135
        SELECT
 136
           CASE
 137
              WHEN DAYOFWEEK(transaction_date) IN (1, 7) THEN 'Weekends'
 138
           END AS day type,
 139
 140
           ROUND(SUM(unit_price * transaction_qty),2) AS total_sales
 141
 142
           coffee shop sales
 143
       WHERE
 144
           MONTH(transaction_date) = 5 -- Filter for May
       GROUP BY
146
          CASE
              WHEN DAYOFWEEK(transaction_date) IN (1, 7) THEN 'Weekends'
 147
 148
               ELSE 'Weekdays'
      END
 149
 150
Export: Wrap Cell Content: IA
  day_type total_sales
   Weekdays
           116627.84
  Weekends 40099.92
13. SALES BY PRODUCT CATEGORY
Query 1 ×
□ □ □ | F F Q □ | Don't Limit
                                                   • 🎭 🥩 🔍 🕦 🖘
 159
       /* SALES BY PRODUCT CATEGORY*/
 160 •
       SELECT
 161
           product_category,
 162
           ROUND(SUM(unit_price * transaction_qty),1) as Total_Sales
 163
        FROM coffee_shop_sales
       WHERE
 164
           MONTH(transaction_date) = 5
 165
        GROUP BY product_category
 166
 167
       ORDER BY SUM(unit_price * transaction_qty) DESC
 168
Export: Wrap Cell Content: IA
                Total_Sales
   product_category
   Coffee
                 60362.8
               44539.8
   Tea
   Bakery
                 18565.5
   Drinking Chocolate 16319.8
   Coffee beans
                 8768.9
                2889
   Branded
   Loose Tea
                 2395.2
           1905.6
```

14. SALES BY STORE LOCATION



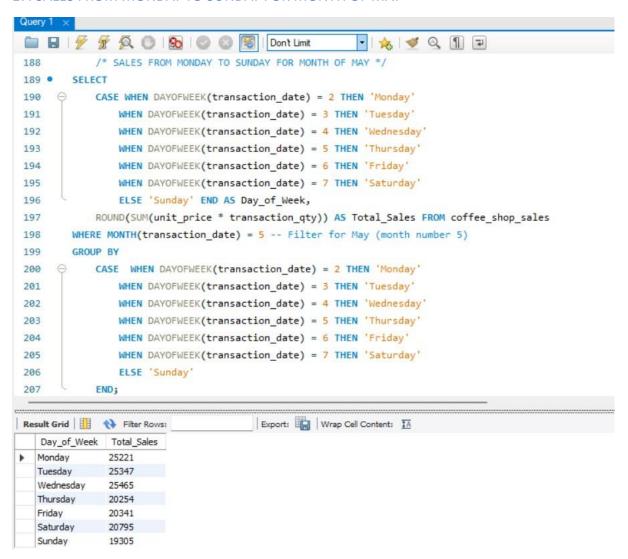
15. SALES BY PRODUCTS



16. SALES BY DAY / HOUR

```
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                                                      - | 🏂 | 🥩 Q ¶ 🗊
        /* SALES BY DAY | HOUR */
179 •
180
            ROUND(SUM(unit_price * transaction_qty)) AS Total_Sales,
181
            SUM(transaction_qty) AS Total_Quantity,
182
           COUNT(*) AS Total_Orders
183
        FROM
184
           coffee_shop_sales
        WHERE
185
           DAYOFWEEK(transaction_date) = 3 -- Filter for Tuesday (1 is Sunday, 2 is Monday, ..., 7 is Saturday)
186
187
            AND HOUR(transaction time) = 8 -- Filter for hour number 8
Export: Wrap Cell Content: IA
  Total_Sales Total_Quantity Total_Orders
2969
            874
                        612
```

17. SALES FROM MONDAY TO SUNDAY FOR MONTH OF MAY



18. SALES FOR ALL HOURES FOR MONTH OF MAY

