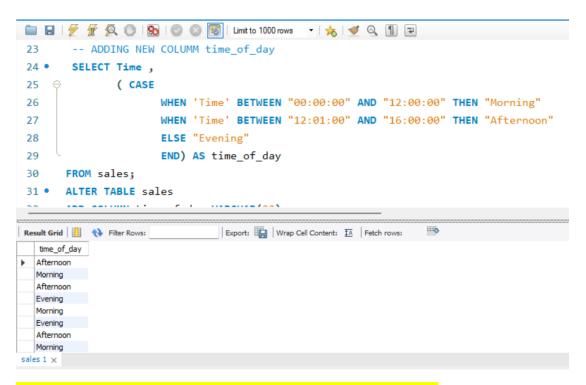
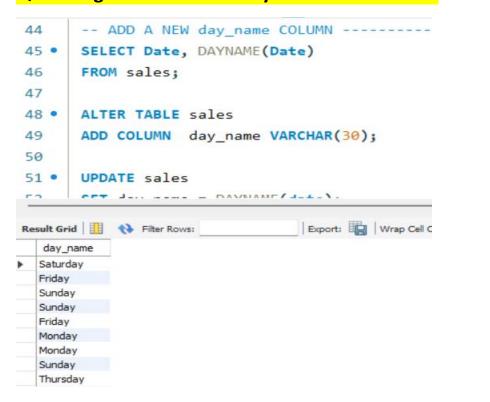
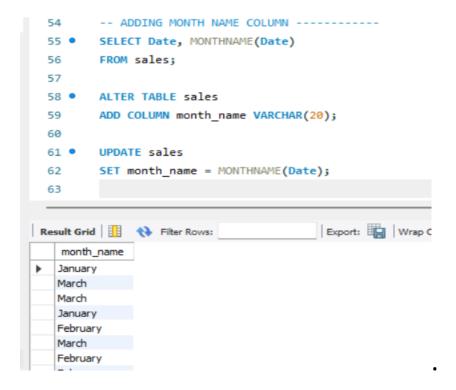
Q:- Adding a new column time_of_day to Database



Q: Adding a new column Day name to Database

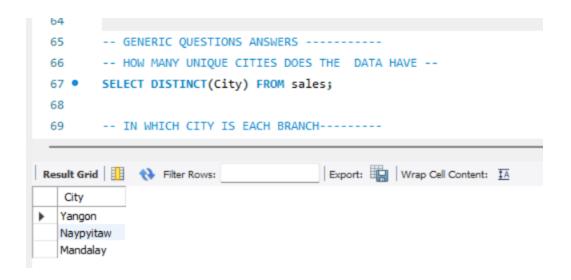


Q:- Adding new column month name to database

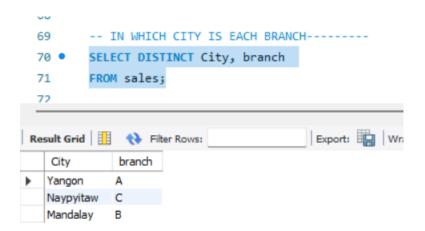


GENERIC QUESTION ANSWERS

Q: How many unique cities does the data have?



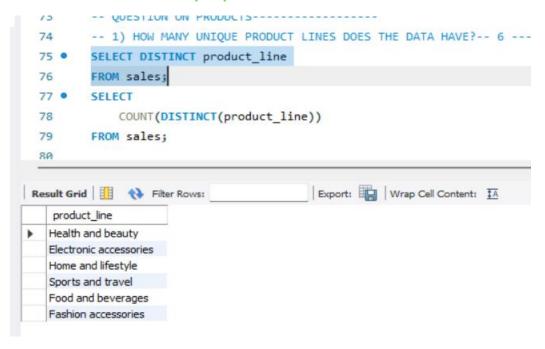
Q: In which city each branch is



ANSWERS ON PRODUCTS

Q:How many unique product lines does the data have?

There are total 6 unique product lines does the data have



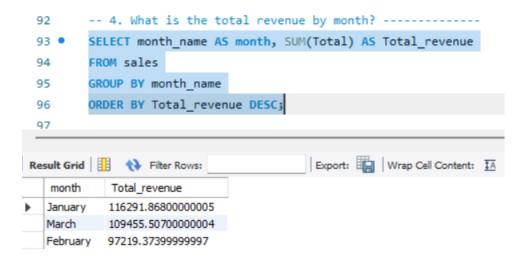
Q: What Is the most common payment method?

```
-- 2. What is the most common payment method?-- CASH
81 •
        SELECT SUM(Quantity) as qty, Payment
        FROM sales
82
        GROUP BY Payment
83
84
        ORDER BY qty DESC;
                                      Export: Wrap Cell Content: IA
Payment
  1896
       Cash
  1892 Ewallet
  1722 Credit card
```

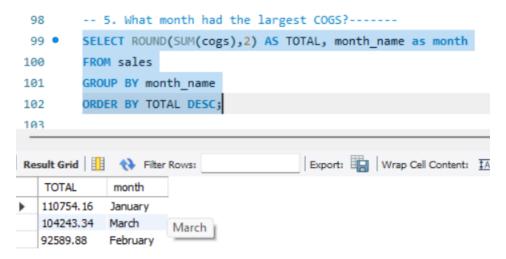
Q: What is the most selling product lines?

```
-- 3. What is the most selling product line?---
 87 •
         SELECT SUM(Quantity) AS qty, product_line
         FROM sales
 88
         GROUP BY product_line
 89
         ORDER BY qty DESC;
 90
                                         Export: Wrap
product_line
  971
        Electronic accessories
  952 Food and beverages
        Sports and travel
  920
  911
       Home and lifestyle
  902
        Fashion accessories
  854 Health and beauty
```

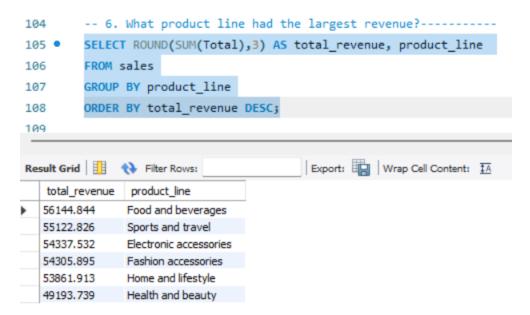
Q: What is the total revenue by month?



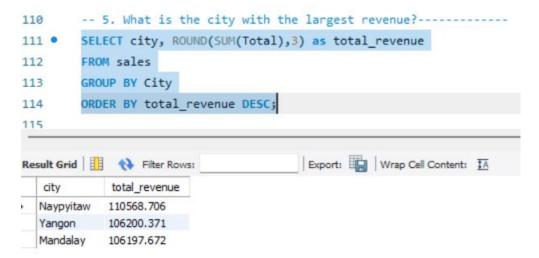
Q: What month had the largest cost of gods sold (COGS)?



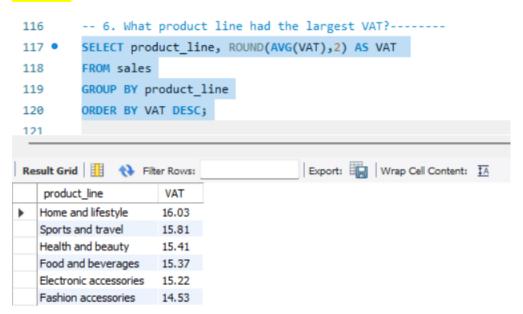
Q: What product line had the largest revenue?



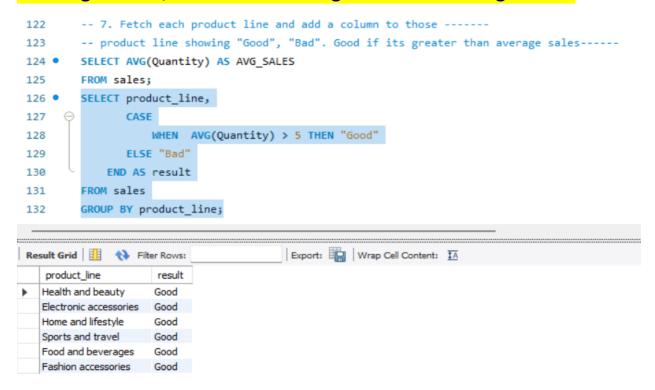
Q: What is the city with largest revenue?



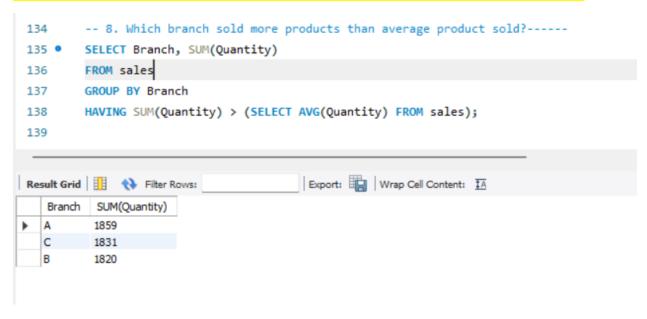
Q: What product line had the largest amount of TAX on purchase (VAT)?



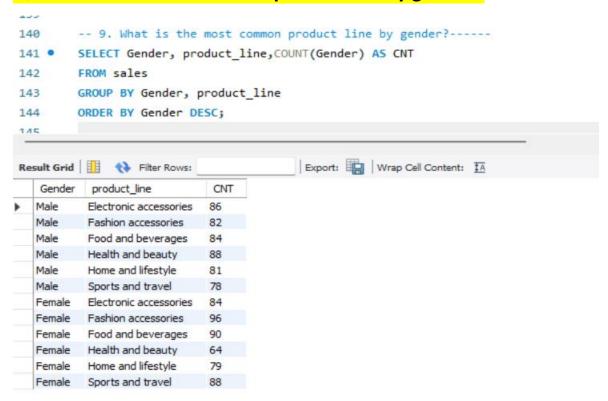
Q: Fetch each product line and add a column to those product line showing "Good", "Bad". Good if its greater than average sales?



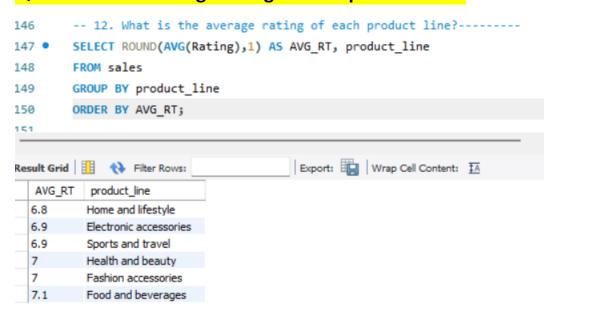
Q: Which branch sold more products than average product sold?



Q: what is the most common product line by gender?



Q: What is the average rating of each product line?

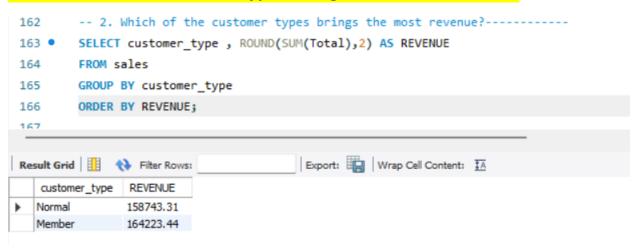


SALES ANALYSIS

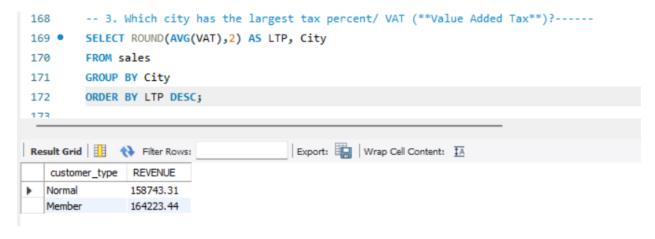
Q: Number of sales made in each time of the day per weekday

```
155
        -- 1. Number of sales made in each time of the day per weekday-----
        SELECT time of day, day name, COUNT(*) AS SALES
156 •
        FROM sales
157
        WHERE day_name = "monday"
158
159
        GROUP BY time_of_day, day_name
        ORDER BY SALES DESC;
160
161
                                      Export: Wrap Cell Content: TA
time_of_day day_name SALES
 Evening
             Monday
                      56
  Afternoon
             Monday
                      48
                      21
  Morning
             Monday
```

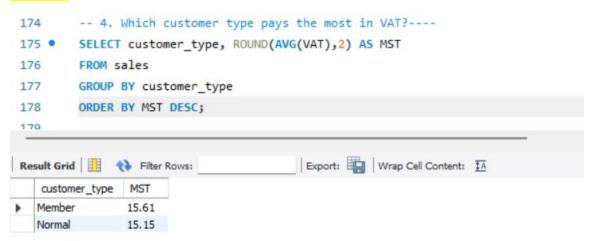
Q: Which of the customer types brings the most revenue?



Q: Which city has the largest tax percent/ VAT (**Value Added Tax**)?

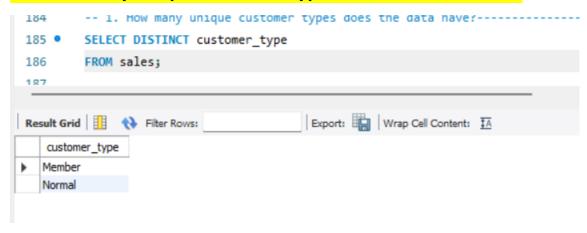


Q: Which customer type pays the most in amount of TAX on purchase (VAT)?

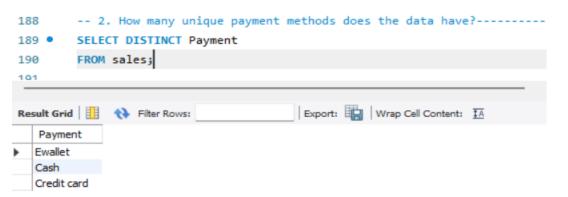


CUSTOMER ANALYSIS

Q: How many unique customer types does the data have?



Q: How many unique payment methods does the data have?



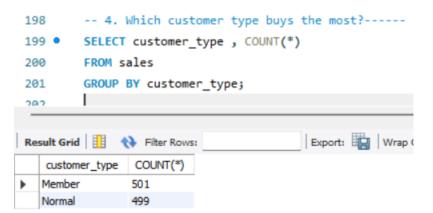
Q: What is the most common customer type?

```
-- 3. What is the most common customer type?----
193 •
        SELECT customer_type, COUNT(*) AS CNT
        FROM sales
194
195
        GROUP BY customer_type
        ORDER BY CNT DESC;
196
107
                                      Export: Wrap Cell Conte
customer_type
              CNT
  Member
              501
  Normal
              499
```

Q: What is the gender of most of the customers?

```
-- 5. What is the gender of most of the customers?-
203
       SELECT Gender, COUNT(*)
204 •
205
       FROM sales
       GROUP BY Gender;
206
207
                                     Export: Wrap Cell Co
Gender
         COUNT(*)
 Female
  Male
         499
```

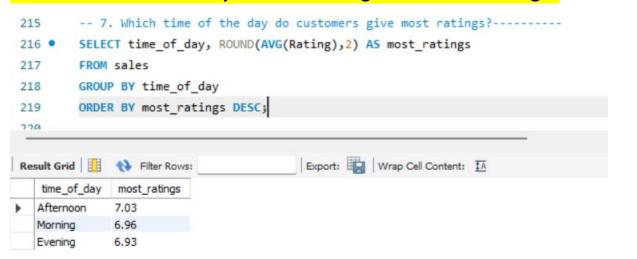
Q: Which customer type buys the most?



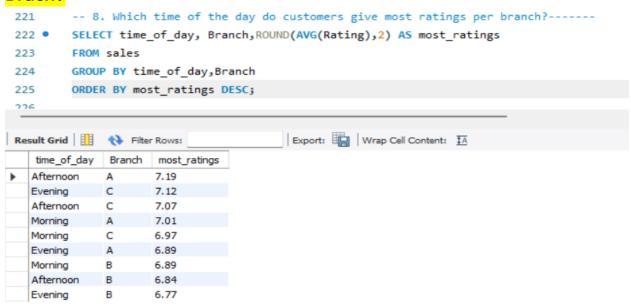
Q: What is the gender distribution per branch?

```
-- 6. What is the gender distribution per branch?-----
208
         SELECT Branch, Gender,
209 •
                COUNT(*) AS gender_count,
210
211
                COUNT(*) / SUM(COUNT(*)) OVER (PARTITION BY Branch) AS gender_percentage
212
         FROM sales
213
         GROUP BY Branch, Gender;
                                           Export: Wrap Cell Content: IA
             Filter Rows:
   Branch
          Gender
                  gender_count
                               gender_percentage
                               0.4735
          Female
                  161
  Α
          Male
                  179
                               0.5265
          Female
                  162
                               0.4880
  В
          Male
                  170
                               0.5120
  С
          Female
                  178
                               0.5427
  С
          Male
                  150
                               0.4573
```

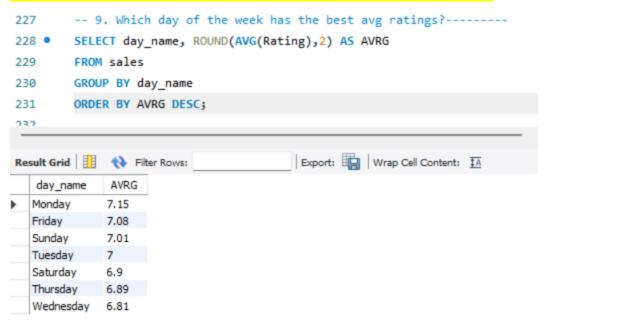
Q: Which time of the day do customers give the more ratings?



Q: Which time of the day do customers give the most rating per Brach?



Q: Which day of the week has the best average rating?



Q: Which day of week has the best average rating per branch?

