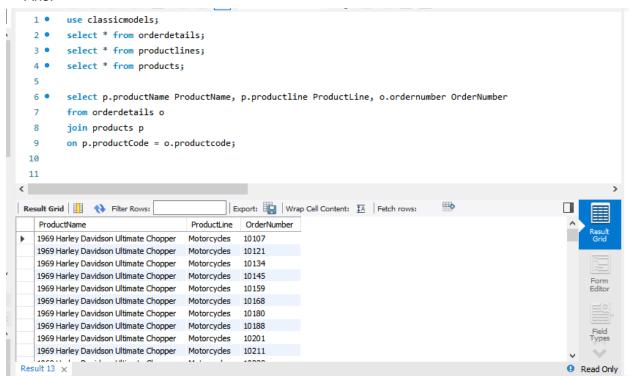
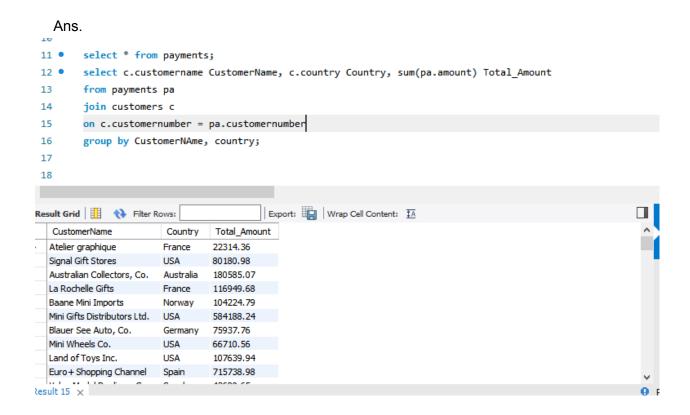
1. Find the product names for each of the orders in "Orderdetails" table and find their respective product lines as well.

Ans.



2. Using the "Payments" table, find out the total amount spent by each customer and their respective countries

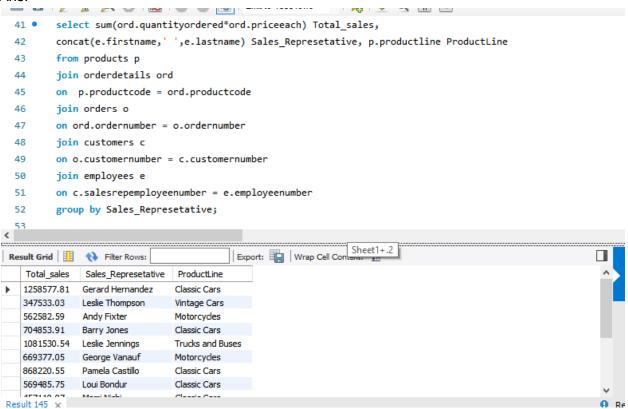


3. Find out the number of customers from each country and their respective sales representative, their overall sales for each of the country

```
Ans.
  28 •
          select c.country Country, count(distinct(c.customername)) "No of customer",
          concat(e.firstname, ' ',e.lastname) Sales_Representative , ord.quantityordered*ord.priceeach sales
  29
          from employees e
  30
          join customers c
  31
          on c.salesrepemployeenumber = e.employeeNumber
  32
          join orders o
  33
          on o.customernumber = c.customernumber
  34
  35
          join orderdetails ord
          on o.ordernumber = ord.ordernumber
  36
  37
          group by country;
 Export: Wrap Cell Content: IA
              No of
    Country
                            Sales_Represetative
                                              sales
              customer
   Canada
              3
                            George Vanauf
                                             9568.73
   Denmark
              2
                            Pamela Castillo
                                             6392.00
   Finland
              3
                           Larry Bott
                                             4134.40
   France
              12
                            Gerard Hernandez
                                             3138.46
                           Barry Jones
   Germany
              3
                                             5279.40
   Hong Kong
             1
                           Mami Nishi
                                             3155.40
                           Barry Jones
                                           6051.20
   Ireland
              1
                           Pamela Castillo
   Italy
                                             6994.82
              2
                           Mami Nishi
   Japan
                                             5691.84
   New 7eal
                            Peter March
Result 130 ×
```

4. Find out the amount of sales driven by each sales representative and for each product line

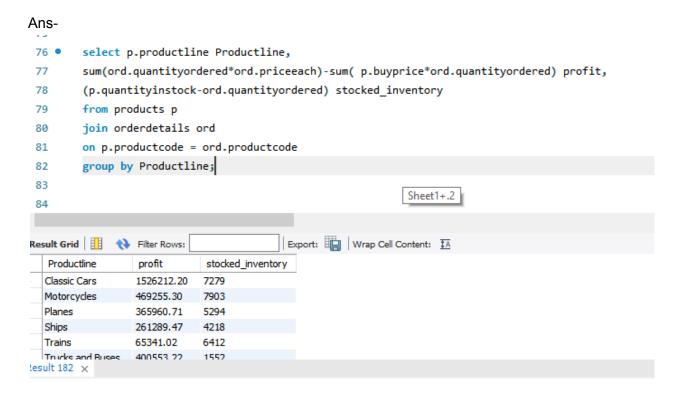
Ans.



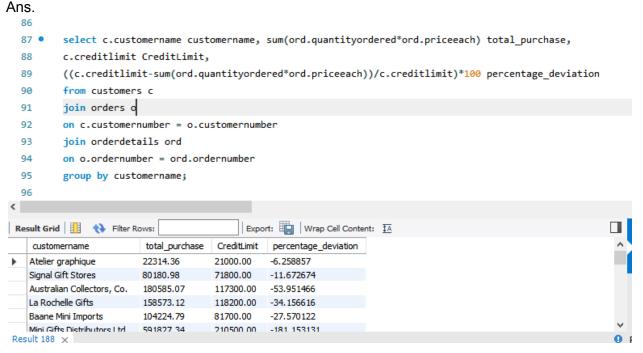
5. List the customer names for those who their names are starting with "A" and their overall purchase, profit made for each customer

```
Ans.
 63 •
         select c.customername customername,
 64
         ord.quantityordered*ord.priceeach total_sales,
          (ord.quantityordered*ord.priceeach)-( p.buyprice*ord.quantityordered) profit
 65
          from customers c
 66
         join orders o
 67
          on o.customernumber = c.customernumber
 68
         join orderdetails ord
 69
         on ord.ordernumber = o.ordernumber
 70
 71
          join products p
         on p.productcode = ord.productcode
 72
 73
         where customername like "a%"
 74
          group by customername;
 75
                                             Export: Wrap Cell Content: IA
Result Grid
              Filter Rows:
   customername
                           total_sales
                                      profit
   Atelier graphique
                           3138.46
                                     1423.50
   Australian Collectors, Co. 3449.26
                                     1448.55
   AV Stores, Co.
                          4374.14
                                     1933.62
   Auto-Moto Classics Inc.
                          2752.80
                                     688.40
   Alpha Cognac
                                     849.25
                          2937.00
   Amica Models & Co.
                          6994 87
                                     3643 10
Result 177 🗶
```

6. Find the profit for each product line and also see the inventory in stock

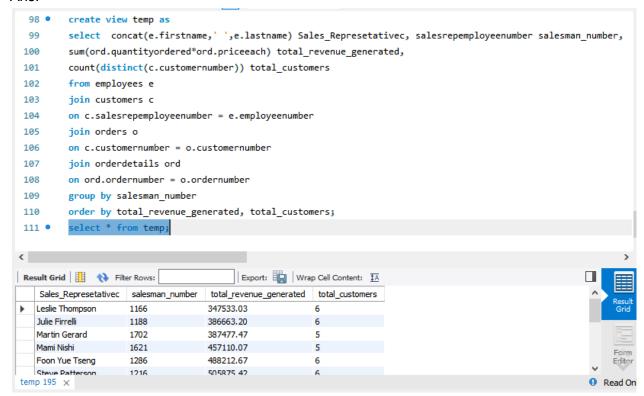


7. Check if the overall purchase value of each customers has exceeded the credit limit set for them and calculate the percent of deviation (both positive and negative)

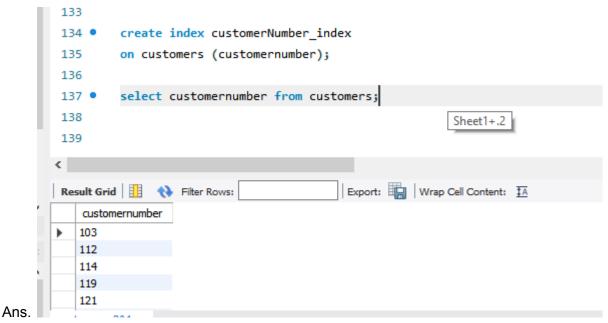


8. Find the top performing sales agent, revenue generated and total number of customers for each of them individually, create this as a view

Ans.



10. Find out the most frequently used fields across all the tables and create indexes for each of the tables



11. Create one overall view with a Customer Full Contact Name, customer country, Sales Representative Name, credit limit, overall purchase value of the customer, Product line bought, actual buying price of the product.

