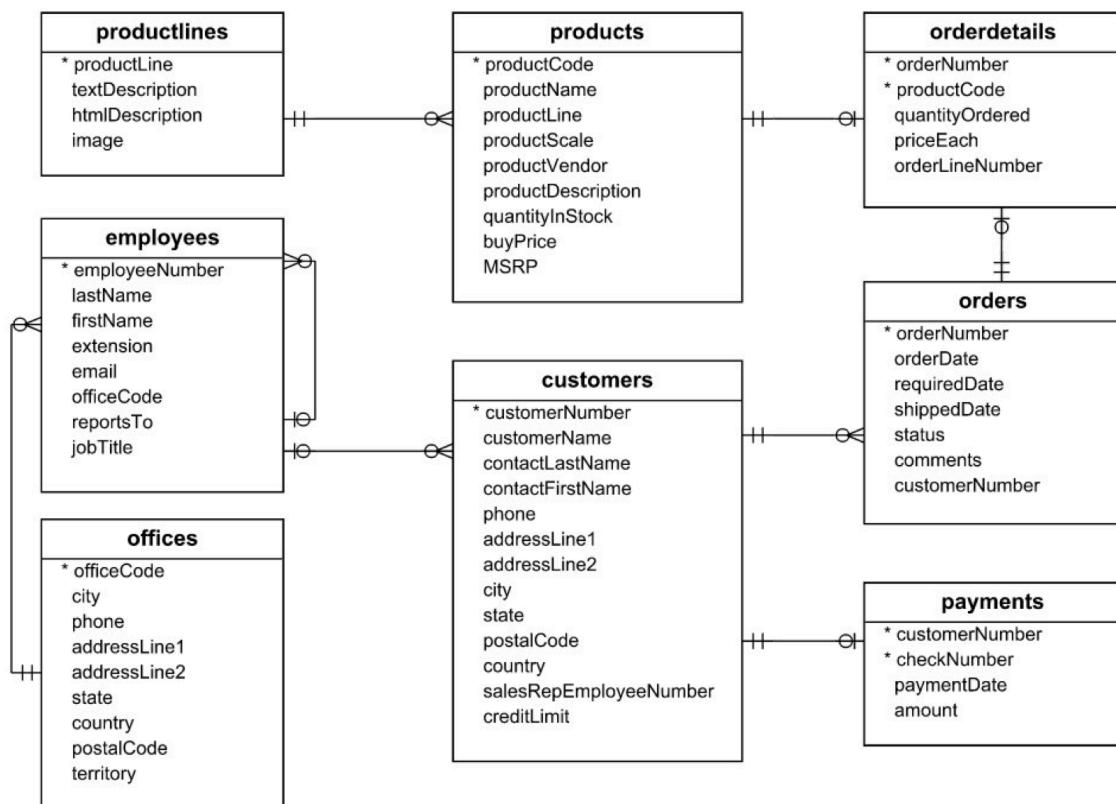


MySQL Sample Database Diagram



Description	Query	Output																																																																											
Adding column "totalAmount" in orderdetails table.	<pre>-- set safe update disable to update table. SET SQL_SAFE_UPDATES = 0; -- Add a new column to store the product of quantityOrdered and priceEach ALTER TABLE orderdetails ADD COLUMN totalAmount DECIMAL(10, 2); -- Update the totalAmount column with the product of quantityOrdered and priceEach UPDATE orderdetails SET totalAmount = quantityOrdered * priceEach;</pre>	-																																																																											
Average order value per customer	<pre>-- Write a SQL query to find the average order amount for each customer. SELECT o.customerNumber, CAST(AVG(totalAmount) AS DECIMAL(10,2)) AS avgOrderValuePerCustomer FROM orderdetails od JOIN orders o ON od.orderNumber = o.orderNumber GROUP BY o.customerNumber;</pre>	<table border="1"> <thead> <tr> <th>customerNumber</th><th>avgOrderValuePerCustomer</th></tr> </thead> <tbody> <tr><td>103</td><td>3187.77</td></tr> <tr><td>112</td><td>2764.86</td></tr> <tr><td>114</td><td>3283.36</td></tr> <tr><td>119</td><td>2991.95</td></tr> <tr><td>121</td><td>3257.02</td></tr> <tr><td>124</td><td>3287.93</td></tr> <tr><td>126</td><td>3417.72</td></tr> <tr><td>129</td><td>3176.69</td></tr> <tr><td>131</td><td>3042.55</td></tr> <tr><td>141</td><td>3168.69</td></tr> <tr><td>144</td><td>3510.25</td></tr> <tr><td>145</td><td>3585.70</td></tr> <tr><td>146</td><td>3178.18</td></tr> </tbody> </table>	customerNumber	avgOrderValuePerCustomer	103	3187.77	112	2764.86	114	3283.36	119	2991.95	121	3257.02	124	3287.93	126	3417.72	129	3176.69	131	3042.55	141	3168.69	144	3510.25	145	3585.70	146	3178.18																																															
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Lifetime value of customer	<pre>-- calculate the Customer Lifetime Value (CLV), SELECT o.customerNumber, CAST(SUM(totalAmount) AS DECIMAL(10,2)) AS LifeTimeValue FROM orderdetails od JOIN orders o ON od.orderNumber = o.orderNumber GROUP BY o.customerNumber ORDER BY LifeTimeValue;</pre>	<table border="1"> <thead> <tr> <th>customerNumber</th><th>LifeTimeValue</th></tr> </thead> <tbody> <tr><td>219</td><td>7918.60</td></tr> <tr><td>198</td><td>21554.26</td></tr> <tr><td>103</td><td>22314.36</td></tr> <tr><td>473</td><td>25358.32</td></tr> <tr><td>381</td><td>29217.18</td></tr> <tr><td>456</td><td>29230.43</td></tr> <tr><td>489</td><td>29586.15</td></tr> <tr><td>415</td><td>31310.09</td></tr> <tr><td>173</td><td>32198.69</td></tr> <tr><td>347</td><td>41506.19</td></tr> <tr><td>487</td><td>42570.37</td></tr> <tr><td>475</td><td>43748.72</td></tr> <tr><td>211</td><td>45480.79</td></tr> </tbody> </table>	customerNumber	LifeTimeValue	219	7918.60	198	21554.26	103	22314.36	473	25358.32	381	29217.18	456	29230.43	489	29586.15	415	31310.09	173	32198.69	347	41506.19	487	42570.37	475	43748.72	211	45480.79																																															
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Classify if the customer is new or existing	<pre>-- Write a query to classify customer by Status (New and Existing) by Month. SELECT o.customerNumber, c.customerName AS custName, o.orderDate AS orderDate, fd.firstPurchaseMonth AS firstPurchaseDate, IF(month(o.orderDate) = month(fd.firstPurchaseMonth), 'New', 'Existing') AS Status FROM orders o JOIN (SELECT customerNumber, MIN(orderDate) AS firstPurchaseMonth FROM orders GROUP BY customerNumber) fd ON fd.customerNumber = o.customerNumber JOIN customers c ON c.customerNumber = o.customerNumber;</pre>	<table border="1"> <thead> <tr> <th>customerNumber</th><th>custName</th><th>orderDate</th><th>firstPurchaseDate</th><th>Status</th></tr> </thead> <tbody> <tr><td>103</td><td>Atelier graphique</td><td>2003-05-20</td><td>2003-05-20</td><td>New</td></tr> <tr><td>103</td><td>Atelier graphique</td><td>2004-09-27</td><td>2003-05-20</td><td>Existing</td></tr> <tr><td>103</td><td>Atelier graphique</td><td>2004-11-25</td><td>2003-05-20</td><td>Existing</td></tr> <tr><td>112</td><td>Signal Gift Stores</td><td>2003-05-21</td><td>2003-05-21</td><td>New</td></tr> <tr><td>112</td><td>Signal Gift Stores</td><td>2004-08-01</td><td>2003-05-21</td><td>Existing</td></tr> <tr><td>112</td><td>Signal Gift Stores</td><td>2004-11-21</td><td>2003-05-21</td><td>Existing</td></tr> <tr><td>114</td><td>Australian Collectors, Co.</td><td>2003-04-20</td><td>2003-04-29</td><td>New</td></tr> <tr><td>114</td><td>Australian Collectors, Co.</td><td>2003-05-21</td><td>2003-04-29</td><td>Existing</td></tr> <tr><td>114</td><td>Australian Collectors, Co.</td><td>2004-02-20</td><td>2003-04-29</td><td>Existing</td></tr> <tr><td>114</td><td>Australian Collectors, Co.</td><td>2004-11-20</td><td>2003-04-29</td><td>Existing</td></tr> <tr><td>114</td><td>Australian Collectors, Co.</td><td>2004-11-29</td><td>2003-04-29</td><td>Existing</td></tr> <tr><td>119</td><td>La Rochelle Gifts</td><td>2004-07-23</td><td>2004-07-23</td><td>New</td></tr> <tr><td>119</td><td>La Rochelle Gifts</td><td>2004-10-29</td><td>2004-07-23</td><td>Existing</td></tr> <tr><td>119</td><td>La Rochelle Gifts</td><td>2005-02-03</td><td>2004-07-23</td><td>Existing</td></tr> </tbody> </table>	customerNumber	custName	orderDate	firstPurchaseDate	Status	103	Atelier graphique	2003-05-20	2003-05-20	New	103	Atelier graphique	2004-09-27	2003-05-20	Existing	103	Atelier graphique	2004-11-25	2003-05-20	Existing	112	Signal Gift Stores	2003-05-21	2003-05-21	New	112	Signal Gift Stores	2004-08-01	2003-05-21	Existing	112	Signal Gift Stores	2004-11-21	2003-05-21	Existing	114	Australian Collectors, Co.	2003-04-20	2003-04-29	New	114	Australian Collectors, Co.	2003-05-21	2003-04-29	Existing	114	Australian Collectors, Co.	2004-02-20	2003-04-29	Existing	114	Australian Collectors, Co.	2004-11-20	2003-04-29	Existing	114	Australian Collectors, Co.	2004-11-29	2003-04-29	Existing	119	La Rochelle Gifts	2004-07-23	2004-07-23	New	119	La Rochelle Gifts	2004-10-29	2004-07-23	Existing	119	La Rochelle Gifts	2005-02-03	2004-07-23	Existing
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To find the retention rate	<pre>WITH MonthlyUniqueCustomers AS (SELECT DATE_FORMAT(OrderDate, '%Y-%m') AS Month, COUNT(DISTINCT CustomerNumber) AS Unique_Customers FROM Orders GROUP BY DATE_FORMAT(OrderDate, '%Y-%m')), MonthlyRetention AS (SELECT DATE_FORMAT(a.OrderDate, '%Y-%m') AS From_Month, DATE_FORMAT(b.OrderDate, '%Y-%m') AS To_Month, COUNT(DISTINCT a.CustomerNumber) AS Retained_Customers FROM Orders a JOIN Orders b ON a.CustomerNumber = b.CustomerNumber WHERE TIMESTAMPDIFF(MONTH, a.OrderDate, b.OrderDate) = 1 GROUP BY From_Month, To_Month) SELECT m.From_Month, m.To_Month, (CAST(m.Retained_Customers AS DECIMAL) / CAST(n.Unique_Customers AS DECIMAL)) * 100 AS Retention_Rate FROM MonthlyRetention m JOIN MonthlyUniqueCustomers n ON m.From_Month = n.Month ORDER BY m.From_Month;</pre>	<table border="1"> <thead> <tr> <th>From_Month</th><th>To_Month</th><th>Retention_Rate</th></tr> </thead> <tbody> <tr><td>2003-07</td><td>2003-08</td><td>14.2857</td></tr> <tr><td>2003-09</td><td>2003-10</td><td>12.5000</td></tr> <tr><td>2003-09</td><td>2003-11</td><td>37.5000</td></tr> <tr><td>2003-10</td><td>2003-11</td><td>5.8824</td></tr> <tr><td>2003-10</td><td>2003-12</td><td>5.8824</td></tr> <tr><td>2003-11</td><td>2004-01</td><td>6.8966</td></tr> <tr><td>2003-12</td><td>2004-01</td><td>25.0000</td></tr> <tr><td>2004-03</td><td>2004-05</td><td>25.0000</td></tr> <tr><td>2004-04</td><td>2004-06</td><td>30.0000</td></tr> <tr><td>2004-05</td><td>2004-06</td><td>25.0000</td></tr> <tr><td>2004-06</td><td>2004-08</td><td>8.3333</td></tr> <tr><td>2004-07</td><td>2004-08</td><td>9.0909</td></tr> <tr><td>2004-08</td><td>2004-09</td><td>8.3333</td></tr> <tr><td>2004-08</td><td>2004-10</td><td>8.3333</td></tr> <tr><td>2004-09</td><td>2004-11</td><td>8.3333</td></tr> <tr><td>2004-10</td><td>2004-11</td><td>7.6000</td></tr> </tbody> </table>	From_Month	To_Month	Retention_Rate	2003-07	2003-08	14.2857	2003-09	2003-10	12.5000	2003-09	2003-11	37.5000	2003-10	2003-11	5.8824	2003-10	2003-12	5.8824	2003-11	2004-01	6.8966	2003-12	2004-01	25.0000	2004-03	2004-05	25.0000	2004-04	2004-06	30.0000	2004-05	2004-06	25.0000	2004-06	2004-08	8.3333	2004-07	2004-08	9.0909	2004-08	2004-09	8.3333	2004-08	2004-10	8.3333	2004-09	2004-11	8.3333	2004-10	2004-11	7.6000																								
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orderCount by country	<pre>SELECT c.country, COUNT(DISTINCT orderNumber) AS orderCount FROM orders o JOIN customers c ON c.customerNumber = o.customerNumber GROUP BY c.country ORDER BY orderCount DESC;</pre>	<table border="1"> <thead> <tr> <th>country</th><th>orderCount</th></tr> </thead> <tbody> <tr><td>USA</td><td>112</td></tr> <tr><td>France</td><td>37</td></tr> <tr><td>Spain</td><td>36</td></tr> <tr><td>Australia</td><td>19</td></tr> <tr><td>New Zealand</td><td>15</td></tr> <tr><td>UK</td><td>13</td></tr> <tr><td>Italy</td><td>10</td></tr> <tr><td>Finland</td><td>9</td></tr> <tr><td>Norway</td><td>9</td></tr> <tr><td>Singapore</td><td>9</td></tr> </tbody> </table>	country	orderCount	USA	112	France	37	Spain	36	Australia	19	New Zealand	15	UK	13	Italy	10	Finland	9	Norway	9	Singapore	9																																																					
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Customer served by employee	<pre>-- find which employee driving more order count and order by values select CONCAT(e.firstName, ' ', e.lastName) AS employeeName, count(distinct customerNumber) as customerServed FROM customers c JOIN employees e on c.salesRepEmployeeNumber = e.employeeNumber where salesRepEmployeeNumber is not null group by salesRepEmployeeNumber;</pre>	<table border="1"> <thead> <tr> <th>employeeName</th><th>customerServed</th></tr> </thead> <tbody> <tr><td>Leslie Jennings</td><td>6</td></tr> <tr><td>Leslie Thompson</td><td>6</td></tr> <tr><td>Julie Firrelli</td><td>6</td></tr> <tr><td>Steve Patterson</td><td>6</td></tr> <tr><td>Foon Yue Tseng</td><td>7</td></tr> <tr><td>George Vanauf</td><td>8</td></tr> <tr><td>Loui Bondur</td><td>6</td></tr> <tr><td>Gerard Hernandez</td><td>7</td></tr> <tr><td>Pamela Castillo</td><td>10</td></tr> <tr><td>Larry Bott</td><td>8</td></tr> </tbody> </table>	employeeName	customerServed	Leslie Jennings	6	Leslie Thompson	6	Julie Firrelli	6	Steve Patterson	6	Foon Yue Tseng	7	George Vanauf	8	Loui Bondur	6	Gerard Hernandez	7	Pamela Castillo	10	Larry Bott	8																																																																		
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Country wise top performing employee	<pre>-- using cte : common table expression with rankedEmployee as (select c.country, CONCAT(e.firstName, ' ', e.lastName) AS employeeName, floor(sum(od.totalAmount)) as saleDone, ROW_NUMBER() OVER (PARTITION BY c.country ORDER BY SUM(od.totalAmount) DESC) AS countryRank FROM customers c JOIN employees e on c.salesRepEmployeeNumber = e.employeeNumber JOIN orders o on c.customerNumber = o.customerNumber JOIN orderdetails od on o.orderNumber = od.orderNumber where salesRepEmployeeNumber is not null group by c.salesRepEmployeeNumber,c.country) select country, employeeName, SaleDone from rankedEmployee where countryRank=1 order by saleDone desc;</pre>	<table border="1"> <thead> <tr> <th>country</th><th>employeeName</th><th>SaleDone</th></tr> </thead> <tbody> <tr><td>USA</td><td>Leslie Jennings</td><td>1081530</td></tr> <tr><td>Spain</td><td>Gerard Hernandez</td><td>820689</td></tr> <tr><td>France</td><td>Loui Bondur</td><td>569485</td></tr> <tr><td>Australia</td><td>Andy Fixter</td><td>562582</td></tr> <tr><td>New Zealand</td><td>Peter Marsh</td><td>476847</td></tr> <tr><td>UK</td><td>Larry Bott</td><td>436947</td></tr> <tr><td>Italy</td><td>Pamela Castillo</td><td>360616</td></tr> <tr><td>Finland</td><td>Larry Bott</td><td>295149</td></tr> <tr><td>Norway</td><td>Barry Jones</td><td>270846</td></tr> <tr><td>Denmark</td><td>Pamela Castillo</td><td>218994</td></tr> <tr><td>Germany</td><td>Barry Jones</td><td>196470</td></tr> <tr><td>Austria</td><td>Pamela Castillo</td><td>188540</td></tr> <tr><td>Sweden</td><td>Barry Jones</td><td>187638</td></tr> <tr><td>Japan</td><td>Mami Nishi</td><td>167909</td></tr> <tr><td>Singapore</td><td>Mami Nishi</td><td>156251</td></tr> <tr><td>Canada</td><td>George Vanauf</td><td>136934</td></tr> </tbody> </table>	country	employeeName	SaleDone	USA	Leslie Jennings	1081530	Spain	Gerard Hernandez	820689	France	Loui Bondur	569485	Australia	Andy Fixter	562582	New Zealand	Peter Marsh	476847	UK	Larry Bott	436947	Italy	Pamela Castillo	360616	Finland	Larry Bott	295149	Norway	Barry Jones	270846	Denmark	Pamela Castillo	218994	Germany	Barry Jones	196470	Austria	Pamela Castillo	188540	Sweden	Barry Jones	187638	Japan	Mami Nishi	167909	Singapore	Mami Nishi	156251	Canada	George Vanauf	136934																																					
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Top performing employee for each product line	<pre>-- employee with highest sales in each productline with employeeSalesProductline as (select p.productLine, CONCAT(e.firstName, ' ', e.lastName) AS employeeName, sum(od.totalAmount) as sales, row_number() over (partition by p.productline order by sum(od.totalAmount) desc) as lineRank from employees e join customers c on c.salesRepEmployeeNumber = e.employeeNumber join orders o on o.customerNumber = c.customerNumber join orderdetails od on od.orderNumber = o.orderNumber join products p on p.productCode = od.productCode group by p.productline, employeeName) select productLine, employeeName, sales from employeeSalesProductline where lineRank=1 order by sales desc;</pre>	<table border="1"> <thead> <tr> <th>productLine</th><th>employeeName</th><th>sales</th></tr> </thead> <tbody> <tr><td>Classic Cars</td><td>Gerard Hernandez</td><td>514340.38</td></tr> <tr><td>Vintage Cars</td><td>Leslie Jennings</td><td>298556.37</td></tr> <tr><td>Trucks and Buses</td><td>Leslie Jennings</td><td>163280.84</td></tr> <tr><td>Motorcycles</td><td>Gerard Hernandez</td><td>155097.93</td></tr> <tr><td>Planes</td><td>Pamela Castillo</td><td>132630.19</td></tr> <tr><td>Ships</td><td>Gerard Hernandez</td><td>95642.32</td></tr> <tr><td>Trains</td><td>Gerard Hernandez</td><td>28045.05</td></tr> </tbody> </table>	productLine	employeeName	sales	Classic Cars	Gerard Hernandez	514340.38	Vintage Cars	Leslie Jennings	298556.37	Trucks and Buses	Leslie Jennings	163280.84	Motorcycles	Gerard Hernandez	155097.93	Planes	Pamela Castillo	132630.19	Ships	Gerard Hernandez	95642.32	Trains	Gerard Hernandez	28045.05																																																																
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USA is top selling country for all product lines	<pre>-- country wise product sold with employeeSalesProductline as (select p.productLine, c.country, sum(od.totalAmount) as sales, row_number() over (partition by p.productline order by sum(od.totalAmount) desc) as lineRank -- window function from employees e join customers c on c.salesRepEmployeeNumber = e.employeeNumber join orders o on o.customerNumber = c.customerNumber join orderdetails od on od.orderNumber = o.orderNumber join products p on p.productCode = od.productCode group by p.productLine, c.country) select productLine, country, sales from employeeSalesProductline where lineRank=1;</pre>	<table border="1"> <thead> <tr> <th>productLine</th><th>country</th><th>sales</th></tr> </thead> <tbody> <tr><td>Classic Cars</td><td>USA</td><td>1262946.72</td></tr> <tr><td>Motorcycles</td><td>USA</td><td>467090.73</td></tr> <tr><td>Planes</td><td>USA</td><td>275545.11</td></tr> <tr><td>Ships</td><td>USA</td><td>189664.32</td></tr> <tr><td>Trains</td><td>USA</td><td>59593.83</td></tr> <tr><td>Trucks and Buses</td><td>USA</td><td>365457.33</td></tr> <tr><td>Vintage Cars</td><td>USA</td><td>652982.01</td></tr> </tbody> </table>	productLine	country	sales	Classic Cars	USA	1262946.72	Motorcycles	USA	467090.73	Planes	USA	275545.11	Ships	USA	189664.32	Trains	USA	59593.83	Trucks and Buses	USA	365457.33	Vintage Cars	USA	652982.01																																																																
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<p>Number of countries the product is top selling and worst selling</p>	<pre>-- using window function to get top successfull and worst product in each country with combineTable as (select c.country, first_value (p.productLine) over w as top_selling, nth_value (p.productLine,2) over w as second_top_selling, last_value (p.productLine) over w as least_selling from customers c join orders o on c.customerNumber = o.customerNumber join orderdetails od on od.orderNumber = o.orderNumber join products p on p.productCode = od.productCode group by c.country, p.productline window w as (partition by c.country order by sum(totalAmount) desc range between unbounded preceding and unbounded following)), country_group as (select * from combineTable group by country, top_selling, second_top_selling, least_selling), top_selling_country_count as (select top_selling as product, count(country) as first_in_country from country_group group by top_selling) select * from top_selling_country_count; -- Main Query</pre>	<table border="1"> <thead> <tr> <th>product</th> <th>first_in_country</th> </tr> </thead> <tbody> <tr> <td>Classic Cars</td> <td>18</td> </tr> <tr> <td>Vintage Cars</td> <td>1</td> </tr> <tr> <td>Planes</td> <td>2</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>product</th> <th>worst_in_countries</th> </tr> </thead> <tbody> <tr> <td>Trains</td> <td>11</td> </tr> <tr> <td>Ships</td> <td>2</td> </tr> <tr> <td>Planes</td> <td>2</td> </tr> <tr> <td>Motorcycles</td> <td>3</td> </tr> <tr> <td>Vintage Cars</td> <td>2</td> </tr> <tr> <td>Classic Cars</td> <td>1</td> </tr> </tbody> </table>	product	first_in_country	Classic Cars	18	Vintage Cars	1	Planes	2	product	worst_in_countries	Trains	11	Ships	2	Planes	2	Motorcycles	3	Vintage Cars	2	Classic Cars	1																																																																																																																																																																														
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<p>Costumer status if Active or Inactive in last N (2) months.</p>	<pre>select * case when month_diff < 2 then "Active" else "Inactive" end as Status-- adjust this value from (SELECT c.customerNumber, o.min_orderDate as first_orderDate, o.max_orderDate as last_orderDate, total_orders, cutoffDate, TIMESTAMPDIFF(MONTH, STR_TO_DATE(CONCAT(o.max_orderDate, '-01'), '%Y-%m-%d'), STR_TO_DATE(CONCAT(cutoffDate, '-01'), '%Y-%m-%d')) AS month_diff FROM customers c JOIN (SELECT customerNumber, date_format (max(orderDate),'%Y-%m') as max_orderDate, date_format(min(orderdate),'%Y-%m') as min_orderDate, count(distinct orderNumber) as total_orders FROM orders GROUP BY customerNumber) o ON c.customerNumber = o.customerNumber JOIN (select customerNumber, (select date_format(orderDate,'%Y-%m') as cutoffDate from orders where orderDate = (select max(orderDate) from orders group by orderDate) as cutoffDate from orders) cut ON c.customerNumber = cut.customerNumber group by customerNumber order by 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</table>	customerNumber	first_orderDate	last_orderDate	total_orders	cutoffDate	month_diff	Status	141	2003-01	2003-03	29	2003-05	0	Active	124	2003-03	2005-05	17	2005-05	0	Active	353	2003-05	2005-03	5	2005-05	2	Inactive	323	2004-06	2005-04	5	2005-05	1	Active	114	2004-04	2004-11	5	2005-05	1	Inactive	148	2003-04	2005-03	6	2005-05	2	Inactive	145	2003-02	2005-03	5	2005-05	1	Active	486	2003-07	2004-04	4	2005-05	1	Active	131	2003-02	2004-11	4	2005-05	6	Inactive	128	2003-01	2004-11	4	2005-05	6	Inactive	144	2003-03	2004-11	4	2005-05	6	Inactive	121	2003-01	2004-11	4	2005-05	6	Inactive	450	2004-05	2005-04	4	2005-05	1	Active	119	2004-07	2005-08	4	2005-05	0	Active	151	2003-09	2004-12	4	2005-05	5	Inactive	157	2003-07	2005-05	4	2005-05	0	Active	161	2003-07	2005-01	4	2005-05	4	Inactive	166	2004-02	2005-04	4	2005-05	1	Active	368	2003-05	2004-04	4	2005-05	1	Active	382	2003-04	2005-05	4	2005-05	0	Active	381	2003-04	2005-01	4	2005-05	4	Inactive	282	2003-07	2005-05	4	2005-05	0	Active	276	2003-09	2005-03	4	2005-05	2	Inactive	181	2003-01	2004-11	3	2005-05	6	Inactive	166	2003-05	2005-02	3	2005-05	3	Inactive	187	2003-03	2004-11	3	2005-05	6	Inactive	103	2003-05	2004-11	3	2005-05	6	Inactive
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<h3>Country wise top Selling product</h3>	<pre>-- most popular product for each region with cte as (select *, row_number() over(partition by country order by unitSold desc) as productRank from (select c.country, productName, count(productName) as unitSold from Customers c join (select customerNumber, orderNumber from orders) o on o.customerNumber = c.customerNumber join (select orderNumber, productCode from orderDetails) od on od.orderNumber = o.orderNumber join (select productCode, productName from products) p on p.productCode = od.productCode group by c.country, productName) subQuery) select country, productName as topSellingProduct, unitSold from cte where productRank=1 order by unitSold desc;</pre>	<table border="1"> <thead> <tr> <th>country</th><th>topSellingProduct</th><th>unitSold</th></tr> </thead> <tbody> <tr><td>USA</td><td>1992 Ferrari 360 Spider red</td><td>16</td></tr> <tr><td>Spain</td><td>1992 Ferrari 360 Spider red</td><td>9</td></tr> <tr><td>France</td><td>2002 Yamaha YZR M1</td><td>7</td></tr> <tr><td>Australia</td><td>1913 Ford Model T Speedster</td><td>6</td></tr> <tr><td>Finland</td><td>1992 Ferrari 360 Spider red</td><td>4</td></tr> <tr><td>Italy</td><td>1928 British Royal Navy Airplane</td><td>4</td></tr> <tr><td>UK</td><td>1932 Alfa Romeo 8C2300 Spider Sport</td><td>4</td></tr> <tr><td>Austria</td><td>1968 Dodge Charger</td><td>3</td></tr> <tr><td>Canada</td><td>1958 Setra Bus</td><td>3</td></tr> <tr><td>Denmark</td><td>The Mayflower</td><td>3</td></tr> <tr><td>Germany</td><td>1968 Ford Mustang</td><td>3</td></tr> <tr><td>New Zealand</td><td>1917 Grand Touring Sedan</td><td>3</td></tr> <tr><td>Singapore</td><td>1962 Lancia A Delta 16V</td><td>3</td></tr> <tr><td>Belgium</td><td>1903 Ford Model A</td><td>2</td></tr> <tr><td>Hong Kong</td><td>P-51-D Mustang</td><td>2</td></tr> <tr><td>-----</td><td>-----</td><td>2</td></tr> </tbody> </table>	country	topSellingProduct	unitSold	USA	1992 Ferrari 360 Spider red	16	Spain	1992 Ferrari 360 Spider red	9	France	2002 Yamaha YZR M1	7	Australia	1913 Ford Model T Speedster	6	Finland	1992 Ferrari 360 Spider red	4	Italy	1928 British Royal Navy Airplane	4	UK	1932 Alfa Romeo 8C2300 Spider Sport	4	Austria	1968 Dodge Charger	3	Canada	1958 Setra Bus	3	Denmark	The Mayflower	3	Germany	1968 Ford Mustang	3	New Zealand	1917 Grand Touring Sedan	3	Singapore	1962 Lancia A Delta 16V	3	Belgium	1903 Ford Model A	2	Hong Kong	P-51-D Mustang	2	-----	-----	2
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<h3>Average time between orders by same customer (in days)</h3>	<pre>-- Average time between orders SELECT customerNumber, CAST(AVG(DATEDIFF(orderDate, prev_orderDate)) AS DECIMAL(10,2)) AS avg_time_between_orders FROM (SELECT customerNumber, orderDate, LAG(orderDate) OVER (PARTITION BY customerNumber ORDER BY orderDate) AS prev_orderDate FROM orders) t GROUP BY customerNumber;</pre>	<table border="1"> <thead> <tr> <th>customerNumber</th><th>avg_time_between_ord...</th></tr> </thead> <tbody> <tr><td>103</td><td>277.50</td></tr> <tr><td>112</td><td>279.00</td></tr> <tr><td>114</td><td>145.00</td></tr> <tr><td>119</td><td>104.00</td></tr> <tr><td>121</td><td>215.33</td></tr> <tr><td>124</td><td>49.69</td></tr> <tr><td>128</td><td>222.00</td></tr> <tr><td>129</td><td>302.00</td></tr> <tr><td>131</td><td>210.00</td></tr> <tr><td>141</td><td>34.04</td></tr> <tr><td>144</td><td>202.00</td></tr> <tr><td>145</td><td>198.50</td></tr> <tr><td>146</td><td>49.00</td></tr> <tr><td>148</td><td>171.50</td></tr> <tr><td>151</td><td>182.33</td></tr> </tbody> </table>	customerNumber	avg_time_between_ord...	103	277.50	112	279.00	114	145.00	119	104.00	121	215.33	124	49.69	128	222.00	129	302.00	131	210.00	141	34.04	144	202.00	145	198.50	146	49.00	148	171.50	151	182.33																			
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