

Solve the following queries with Analytics SQL:

- 1) For every customer city, number of different product categories bought by customers of that city
- 2) For every customer city, number of different product categories bought by customers of that city distributed over the months.
- 3) For each store country and month, the number of female customers, the number of male customers performing purchasing on weekends.
- 4) Apply a drill-down operation starting from the above query 3 over the time
- 5) Apply a roll-up operation starting from the above query 4 over the geographical information.
- 6) For every product category and customer country, the store with the highest percentage of sales over the total sales of that category and country. Result must be ordered by percentage descending.
- 7) For every product, the date with the highest sales of the product. If there are two or more days with the same highest sales, pick up any date.

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