

This test assesses your ability to solve business problems using deductive, inductive, and quantitative reasoning and also your SQL skills. The test contains 2 parts: SQL (Part I), Logical & Problem Solving (Part II). It is designed to finish in 3 days, yet we expect you could get back to us as soon as you can.

Please do not share the content and data sample for anyone. This is confidential information in Kamereo recruitment process.

Part I: SQL

Question 1

Given three following columns in table X:

Channel	Category	GMV
Horeca	Vegetable	69.3
Horeca	Fruit	25.3
Horeca	Non-veggie	73
Horeca	Meat	22.8
MT	Vegetable	10.9
MT	Fruit	1.1
MT	Non-veggie	0.9
MT	Meat	0.4
KA	Vegetable	14.6
KA	Fruit	0.6
KA	Non-veggie	8
KA	Meat	2.2
3rd Party	Vegetable	0.8
3rd Party	Fruit	0.6
3rd Party	Non-veggie	1.2
3rd Party	Meat	0

a. Write a SQL query to find the best category in each channel (in GMV). Expected result:

Channel	Category	GMV
Horeca	Non-veggie	73
KA	Vegetable	14.6
MT	Vegetable	10.9
3rd Party	Non-veggie	1.2

b. Write a SQL query to find how many percentages each category is higher or lower between Horeca and MT channel. Expected result:

Channel_1	Channel_2	Category	GMV_1	GMV_2	Comparision
Horeca	MT	Fruit	25.3	1.1	22.00
Horeca	MT	Meat	22.8	0.4	56.00
Horeca	MT	Non-veggie	73	0.9	80.11
Horeca	MT	Vegetable	69.3	10.9	5.36

Part II: Logical & Problem Solving

Demand analysis

Please refer to the sample dataset kamereo_test.xlsx, sheet "case study 1" attached. Kamereo has historical data of transactions with Customer 1 and Customer 2. Based on data:

- Evaluate the performance of Category A (Using descriptive analysis, time-series analysis)
- Forecast the daily performance of Category A in Oct and November. And explain your methodology