

Senior Developer Test
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1. Database SQL Challenge

Calculate profits of the platform monthly in the 2020 year

movement_month	profit
August	160
February	250
January	80
July	150
June	70
October	100
September	120

Calculate total taxes for each client

client_id	name	taxes
1	Chris Newton	640
2	Maria Charles	150
4	Ann Newton	180

Find for each client: Total taxes, Commissions, Transaction values

client_id	name	movement_type	total_value
1	Chris Newton	COMISSION	680
1	Chris Newton	TAX	640
1	Chris Newton	VALUE	5350
2	Maria Charles	COMISSION	200
2	Maria Charles	TAX	150
2	Maria Charles	VALUE	2550
4	Ann Newton	COMISSION	210
4	Ann Newton	TAX	180
4	Ann Newton	VALUE	1850

Find approval rates by payment method

payment_method	approval_rate
AMEX	100
VISA	85
MASTERCARD	40

Max transaction amount monthly for each client

client_id	name	transaction_month	transaction_year	max_transaction_amount
1	Chris Newton	February	2020	1100
1	Chris Newton	July	2020	2001
1	Chris Newton	August	2020	1200
1	Chris Newton	October	2020	1200
1	Chris Newton	January	2021	1300
1	Chris Newton	February	2021	1200
2	Maria Charles	January	2020	1100
2	Maria Charles	March	2020	1100
2	Maria Charles	April	2020	1900
2	Maria Charles	September	2020	1800
3	Rudolph Isaac	June	2020	1240
4	Ann Newton	February	2020	1100
4	Ann Newton	June	2020	1000