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SQL Questions

Assume the database system being used is Postgres 9.6.

1. Write a query to find the shipment record associated to transaction object_id ‘618c313ed743ba2c7cdc3636’.

SELECT object_id FROM api_shipment INNER JOIN api_transaction on api_shipment.id = api_transaction.shipment_id WHERE api_transaction.object_ID = ‘618c313ed743ba2c7cdc3636’

2. Write a query to find the amount or amount_local the customer paid for a label with shipment object_id ‘618b1586fbabb3e56406d8d1’.

SELECT amount, amount_local FROM api_rate INNER JOIN api_shipment on api_shipment.id = api_rate.shipment_id
Where api_shipment.object_id = ‘618b1586fbabb3e56406d8d1’

3. Write a query to find the total amount spent on labels by object_owner_id 123 created between 01/01/2021 and today

SELECT SUM(api_rate.amount) from api_rate INNER JOIN api_transaction on api_rate.id = api_transaction.api_rate_id
where api_transaction.object_owner_id = 123 and api_trasaction.object_created BETWEEN “01/01/2021” and GETDATE()
Groupby api_transaction.object_owner_id

4. Write a query to find all transactions for object_owner_id 123 that had shipments with the following extra key value pair: { "signature_confirmation": "ADULT", ... } (a customer might have other misc keys in the extra object)

SELECT transactions.* from api_transaction
Innerjoin api_rate on api_transaciton.api_rate_id = api_rate.id
Innerjoin api_shipment on api_rate.shipment_id = api_shipment.id
WHERE JSON_QUERY(api_shipment.extra, "$.signature_confirmation") = 'ADULT'
AND api_transaction.object_owner_id = 123