SQL Statements for Fetch Take Home Assignment

Question 3: When considering *average spend* from receipts with 'rewardsReceiptStatus' of 'Accepted' or 'Rejected', which is greater?

Select

Avg(case when rewardsReceiptStatus = 'ACCEPTED' then totalSpent else null end) as avg_accepted_spent,

Avg(case when rewardsReceiptStatus = 'REJECTED' then totalSpent else null end) as avg_rejected_spent

From

Receipts

This query will provide two columns that show the average accepted spend amount and the average rejected spend amount. You can do a quick comparison to see which is greater.

Question 4: When considering *total number of items purchased* from receipts with 'rewardsReceiptStatus' of 'Accepted' or 'Rejected', which is greater?

Select

sum(case when rewardsReceiptStatus = 'ACCEPTED' then purchasedItemCount else null end) as total_accepted_items,

sum(case when rewardsReceiptStatus = 'REJECTED' then purchasedItemCount else null end) as total_rejected_items

From

Receipts

This query is like the average amount. It will provide two columns that show the total accepted items and the total rejected items. Once again, performing a quick comparison will show you which is greater.

Question 1: What are the top 5 brands by receipts scanned for most recent month?

Select

      brandCode,

      Count(brandCode) as overall_count_of_brand

From

      Receipts r

Join

      Transactions t on r.receipt_id = t.receipt_id

Join

      Brand b on t.brand_id = b.brand_id and t.barcode = b.barcode

Where

      Datediff(mm, current_date(), dateScanned) = -1

Order by

      Overall_count_of_brand desc

Limit

      5

The query above should return the top 5 brand codes, along with the total count of times these have appeared on any receipts scanned in the most recent month (one month ago).