SQL Queries

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

Select AVG(totalSpent)

From Receipts

Where rewardsReceiptStatus = "Accepted";

This gives the average spend on receipts with rewards status "Accepted"

Select AVG(totalSpent)

From Receipts

Where rewardsReceiptStatus = "Rejected";

This gives the average spend on receipts with rewards status "Rejected"

We compare the values returned by the above statements to find the greater among the two.

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

Select COUNT(purchasedItemCount)

From Receipts

Where rewardsReceiptStatus = "Accepted";

This gives the count of items purchased on receipts with rewards status "Accepted"

Select COUNT(purchasedItemCount)

From Receipts

Where rewardsReceiptStatus = "Rejected";

This gives the count of items purchased on receipts with rewards status "Rejected"

We compare the values returned by the above statements to find the greater among the two.

5) Which brand has the most spend among users who were created within the past 6 months?

Select Users.user_id, Users.createdDate, Receipts.receipt_id as rid, Receipts.totalSpent, Transaction.receipt_id as tid, Transaction.brand_id as tbid, brand._id

From(((Users

Join Receipts on Users.user_id = Receipts.userId)

Join Transactions on tid = Receipts.receipt_id)

Join Brands on Brand.brand_id = tbid)

Top (totalSpent)

Where createdDate = Dateadd(Month,datediff(Month,0,Dateadd(m,-6,current_timestamp)),0)

6) Which brand has the most transactions among users who were created within the past 6 months?

Select Users.users_id, Users.createdDate, Receipts.receipt_id as rid, Receipts.totalSpent, Transaction.receipt_id as tid, Transaction.brand_id as tbid, brand.brand_id

From(((Users

Join Receipts on Users.user_id = Receipts.userId)

Join Transactions on tid = Receipts.receipt_id)

Join Brands on Brand.brand_id = tbid)

Count (rewardsReceiptItemList)

Where createdDate = Dateadd(Month,datediff(Month,0,Dateadd(m,-6,current_timestamp)),0)