**SQL Queries**

## 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.*

## 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.*

# 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)

# 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)