

Task 2: Write queries that directly answer predetermined questions from a business stakeholder

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

SELECT AVG(totalSpent)

FROM receipts_data

WHERE rewardsReceiptStatus = "Accepted";

SELECT AVG(totalSpent)

FROM receipts_data

WHERE rewardsReceiptStatus = "Rejected";

After getting these two outputs we can easily compare the output values to find which one is greater

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

SELECT COUNT(purchasedItemCount)

FROM receipts_data

WHERE rewardsReceiptStatus = "Accepted";

SELECT COUNT(purchasedItemCount)

FROM receipts_data

WHERE rewardsReceiptStatus = "Rejected";

After executing these two queries we can easily compare the output values to find which one is greater

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

***SELECT users_data._id, users.createdDate, receipts_data._id as rdid, receipts_data.totalSpent,
transaction.receiptID as trid, transaction.brandID as tbid, brands_data_new._id***

FROM (((users_data JOIN receipts_data on users_data._id=receipts_data.userID)

JOIN transaction on trid = receipts_data._id)

JOIN brands_data_new on brand_data_new._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_data._id, users.createdDate, receipts_data._id as rdid, receipts_data.totalSpent, transaction.receiptID as trid, transaction.brandID as tbid, brands_data_new._id

FROM (((users_data JOIN receipts_data on users_data._id=receipts_data.userID)

JOIN transaction on trid = receipts_data._id)

JOIN brands_data_new on brand_data_new._id=tbid)

COUNT(rewardsReceiptItemList)

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