

Part Two: Write queries that directly answer predetermined questions from a business stakeholder

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

```
SELECT Brands.BrandName  
  
FROM Brands  
  
INNER JOIN Receipt_Item ON  
  
Receipt_Item.BrandID = Brands.BrandID  
  
INNER JOIN Receipts  
  
ON Receipts.ReceiptID = Receipt_Item.ReceiptID  
  
WHERE MONTH(Receipts.DateScanned) = MONTH(GET_DATE( ))  
  
ORDER BY Receipts.PointsEarned DESC  
  
LIMIT 5;
```

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

```
SELECT AVG(TotalSpent) AS Average_Spend,  
  
RewardsReceiptStatus  
  
FROM Receipts  
  
WHERE RewardsReceiptStatus in ('Accepted', 'Rejected')  
  
ORDER BY AVG(TotalSpent);
```

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

```
SELECT RewardsReceiptStatus,  
  
SUM(PurchasedItemCount) AS Total_Num_of_Items_Purchased  
  
FROM Receipts  
  
GROUP BY RewardsReceiptStatus  
  
ORDER BY SUM(PurchasedItemCount);
```