1. **What are the top 5 brands by receipts scanned for most recent month?**
Ans: SELECT B.BrandName as BrandName, COUNT(R.ReceiptID) as AS ReceiptScanned
   FROM Brands B JOIN RewardsReceipt RR ON RR.Description LIKE ('%' + B.BrandName + '%')
   JOIN Receipts R ON R.ReceiptID = RR.ReceiptID
   WHERE DATEPART(m, R.DateScanned) = DATEPART(m, DATEADD(m, -1, getdate()))
   AND DATEPART(yyyy, R.DateScanned) = DATEPART(yyyy, DATEADD(m, -1, getdate()))
   GROUP BY BrandName
   ORDER BY ReceiptScanned DESC
   LIMIT 5

2. **When considering *average spend* from receipts with 'rewardsReceiptStatus' of 'Accepted' or 'Rejected', which is greater?**
Ans: SELECT RewardsReceiptStatus AS ReceiptStatus, AVG(TotalSpend) AS AverageSpend
   FROM Receipts R
   GROUP BY RewardsReceiptStatus
   ORDER BY AverageSpend DESC
   LIMIT 1

3. **When considering *total number of items purchased* from receipts with 'rewardsReceiptStatus' of'Accepted' or 'Rejected', which is greater?**
Ans: SELECT RewardsReceiptStatus AS ReceiptStatus, PurchaseItemCount AS TotalItemsPurchased
   FROM Receipts R
   GROUP BY RewardsReceiptStatus
   ORDER BY TotalItemsPurchased DESC
   LIMIT 1

4. **Which brand has the most *spend* among users who were created within the past 6 months?**
Ans: SELECT B.BrandName as BrandName, SUM(R.TotalSpent) as Spendings
   FROM Brands B JOIN RewardsReceipt RR ON RR.Description LIKE ('%' + B.BrandName + '%')
   JOIN Receipts R ON R.ReceiptID = RR.ReceiptID
   JOIN Users U ON R.UserID = U.UserID
   WHERE DATEPART(m, U.CreateDate) > DATEPART(m, DATEADD(m, -6, getdate()))
   AND DATEPART(yyyy, U.CreateDate) = DATEPART(yyyy, DATEADD(m, -1, getdate()))
   GROUP BY BrandName
   ORDER BY Spendings DESC
   LIMIT 1

5. **Which brand has the most *transactions* among users who were created within the past 6 months?**
Ans: SELECT B.BrandName as BrandName, COUNT(R. ReceiptID) as TransactionCount
   FROM Brands B JOIN RewardsReceipt RR ON RR.Description LIKE ('%' + B.BrandName + '%')
   JOIN Receipts R ON R.ReceiptID = RR.ReceiptID
   JOIN Users U ON R.UserID = U.UserID
   WHERE DATEPART(m, U.CreateDate) > DATEPART(m, DATEADD(m, -6, getdate()))
   AND DATEPART(yyyy, U.CreateDate) = DATEPART(yyyy, DATEADD(m, -1, getdate()))
   GROUP BY BrandName
   ORDER BY TransactionCount DESC
   LIMIT 1