**SQL QUERIES**

**3) Answer 3:**

**Select AVG(totalSpent) as avg\_total\_spent**

**From Receipts**

**Where rewardsReceiptStatus = “Accepted”;**

**This gives us the average spend on receipts where rewards status is equal to “Accepted”**

**Select AVG(totalSpent) as avg\_total\_spent**

**From Receipts**

**Where rewardsReceiptStatus = “Rejected”;**

**This gives us the average spend on receipts where rewards status is equal to “Rejected”**

**###########################################################################**

**4) Answer 4:**

**Select COUNT(purchasedItemCount) as purchased\_item\_count**

**From Receipts**

**Where rewardsReceiptStatus = “Accepted”;**

**This gives the count of items purchased on receipts where rewards status is equal to “Accepted”**

**Select COUNT(purchasedItemCount) as purchased\_item\_count**

**From Receipts**

**Where rewardsReceiptStatus = “Rejected”;**

**This gives the count of items purchased on receipts where rewards status is equal to “Rejected”**

**###########################################################################**

**5) Answer 4:**

**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) Answer 6:**

**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)**