

SQL queries:
(mySQL)

- Which brand saw the most dollars spent in the month of June?

```
Select Name from Brand
Where Brand_ID=
(Select Brand_ID, sum (Transaction_Amount) as Amount_Spent
From Transaction
Where month(Purchase_Date) = 'June'
Group by Brand_ID
Order by Amount_Spent Desc
Limit 1
```

- Which user spent the most money in the month of August?

```
Select Name from User
Where User_ID=
(Select User_ID, sum(Transaction_Amount) as Amount_Spent
From Transaction
Where month(Purchase_Date) = 'August'
Group by Brand_ID
Order by Amount_Spent Desc
Limit 1
```

- What user bought the most expensive item?

```
Select User_ID, (Transaction_Amount)/(Item_Quantity_Count) as Cost_Per_Item
From Transaction
Order by Cost_Per_Item Desc
Limit 1
```

- What is the name of the most expensive item purchased?

```
Select R.Description, (T. Transaction_Amount)/(T. Item_Quantity_Count) as
Cost_Per_Item
From Transaction as T
Inner join Receipt as R
On T.Receipt_ID = R.Receipt_ID
Order by Cost_Per_Item Desc
Limit 1
```

- How many users scanned in each month?

```
Select Month(Purchase_Date),  
Count(Date_Scanned) Over(partition by month(Purchase_Date) )  
as Monthly_Users  
From Transaction as T  
Inner join Receipt as R  
On T.Receipt_ID = R.Receipt_ID
```