Fetch Data Analytics Exercise

SQL query

1. Brand that saw the most dollars spent in the month of June

Select Name from Brand\_Dimension

Where Brand\_ID=

(Select Brand\_ID, sum(Total\_Final\_price) as Spent

From Receipt\_items\_Fact

Where month(Purchase\_Date) = ‘June’

Group by Brand\_ID

Order by Spent Desc

Limit 1)

1. User that spent the most money in the month of August

Select Name from User\_dimension

Where User\_ID=

(Select User\_ID, sum(Total\_Final\_price) as Spent

From Receipt\_items\_Fact

Where month(Purchase\_Date) = ‘August’

Group by Brand\_ID

Order by Spent Desc

Limit 1)

1. User bought the most expensive item

Select User\_ID, (Total\_Final\_Price)/(Quantity\_purchased) as Cost

From Receipt\_items\_Fact

Order by Cost Desc

Limit 1

1. Name of the most expensive item purchased

Select R.Description, (F.Total\_Final\_Price)/(F.Quantity\_purchased) as Cost

From Receipt\_items\_Fact as F

Inner join Receipt\_items\_Dimension as R

On F.Receipt\_items\_ID = R.Receipt\_items\_ID

Order by Cost Desc

Limit 1

1. Number of Users Scanned in Each month

Select Month(Purchase\_Date),

Count(Date Scanned) Over(partition by month(Purchase\_Date) )

as Users\_per\_month

From Receipt\_items\_Fact as F

Inner join Receipts\_Dimension as R

On F.Receipts\_ID = R.Receipts\_ID