**DAB203 Lab#6 [Marks 10]**

**Use the SQLBook database for this lab. Use the appropriate Table(s) for the query.**  
**Your query along with the results of the query should be pasted in Excel**. There are 4 questions, and each question should be answered on a different worksheet in Excel. Thus, each worksheet will have query, results, and corresponding chart, as applicable. The worksheets should be named as Q1, Q2 and so on. **The first worksheet should have your Name and Student ID written.**  
Make sure to properly format the charts with Axis titles and legends where appropriate.  
**Each question is worth 2.5 Marks.**

Q1. Write a query to show the total number of customers where gender is M or F, and first name is not an initial, i.e., have more than 2 letters.

**For Q2-Q4, (RFM Analysis) follow the Lecture, SQL and Excel files available under Week#12**

Your output and charts formats should be similar to what is in the above resources.

Q2. Write a query to perform Recency calculation for the state of **NY**. And plot the corresponding chart in Excel. We are interested in dates before January 01, 2016. Make sure you have the four breakpoints indicated on the spreadsheet and also on the chart.

Q3. Write a query to perform Frequency calculation for the state of **NY**. And plot the corresponding charts in Excel. We are interested in dates before January 01, 2016. Make sure you have the four breakpoints indicated on the spreadsheet and also on the chart.

Q4. Write a query to perform Monetary calculation for the state of **CA**. And plot the corresponding charts in Excel. We are interested in dates before January 01, 2016. Make sure you have the four breakpoints indicated on the spreadsheet and also on the chart.

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