1. There are two sections to the questions: Part A and Part B.
2. The part A question should be addressed using both in Python and also in Tableau.
3. Complete Part B solely with Tableau.
4. Each question's answers should be shown on a different worksheet in Tableau.
5. For Python, try to use Jupiter notebook. You can utilize cells that include question numbers as the first comment of cell.

**Part A**

1. Replace the “0” Values in “RAvg\_Utilization\_Ratio” with average of “Avg\_Utilization\_Ratio”.
2. Drop the NaN Values in “Defaulter” then find the average.
3. Display the STD deviation of “Avg\_Open\_To\_Buy”.
4. Find the relationship between “Total\_Trans\_Amt”, “Income\_Category” and “Marital\_Status” using any graph you choose.
5. Count number of persons belongs to “Less than $40K” and is “Graduate”.
6. Determine the sum of the "Months\_on\_book" whose "Total\_Relationship\_Count" exceeds 5. Calculate the "Contacts\_Count\_12\_mon” for each instance when the Salary is more than ““Less than $40K” .

**Part B**

Design a dashboard with the features listed below.

1. Charting may be done with any Colum data of your choice. The dashboard should display minimum three of the six graphs described below. Each set of graph data and graph model should be unique from the others.
   1. Line chart
   2. Pie chart
   3. Bar graph
   4. Scatter Plot
   5. Bubble chart
   6. Histogram
2. The dashboard should display at least three text cards of your choice. You may use aggregate functions for developing a text card. (Eg maximum of Sales, minimum of RESIDENTIAL UNITS).
3. You may use some slicer or filter of your choice.