OUR AIM IS TO PROMOTE OUTSANDING DATA TRANSFORMATION AND ENGINEERING, THUS FACILITATING THE GENERATION OF VALUABLE INSIGHTS, AND OPENING A WORLD OF LIMITLESS POSSIBILITIES WITH DATA LEAD DECISION MAKING.

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Business Problem, Preparing Nebulon's Financial Data for Analysis

Phase 1

1. **Download the Nebulon Financial Data.** This can be accessed from the Google Classroom LMP.
2. **Organize Your Workspace:**

   • Create a new folder on your computer in a convenient location and name it **NebulonFinancialPerformanceAnalysis.**

   • Move all the downloaded files into this new folder
3. **Review the Nebulon Financial Data:**
   - Open the Dataset: Begin by loading the dataset into Excel.
   - Scan the Dataset: Quickly glance through the entire dataset to get a sense of its structure, including the number of columns, rows, and any immediately noticeable patterns or inconsistencies.
   - Identify Key Columns: Identify columns that seem relevant for data cleaning.

Phase 2

Data Cleaning Steps:

1. First create a name range for the data in Excel if applicable.
2. Now, clean and transform the data in power query.

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3. In power query take out Total Revenue, Total Expenses, & and Net Income, they can be calculated later.
4. Now use fill down to remove the null values in column 1.
5. Next, transpose the data and fill down the months to remove the months. The reason for doing this is that we do not have fill right or fill left in power query.
6. Next, merge Column 1 and Column 2 using the merge column in the transform tap. We are doing this because we have to unpivot other columns but there's no technique in power query to unpivot two column headings.
7. **Now** transpose the now merged column.
8. Next, promote first row containing June: Actual, as headers.
9. **Now** select the Expenses/Revenue & the Items column and unpivot other columns.
10. **Next,** the Attribute column by delimiter to get the Month and Actual/Budget Column. Remember to filter out the variance because it will be calculated later.
11. **Finally, Close and Load when you are satisfied with the Data Cleaning Outcome.**