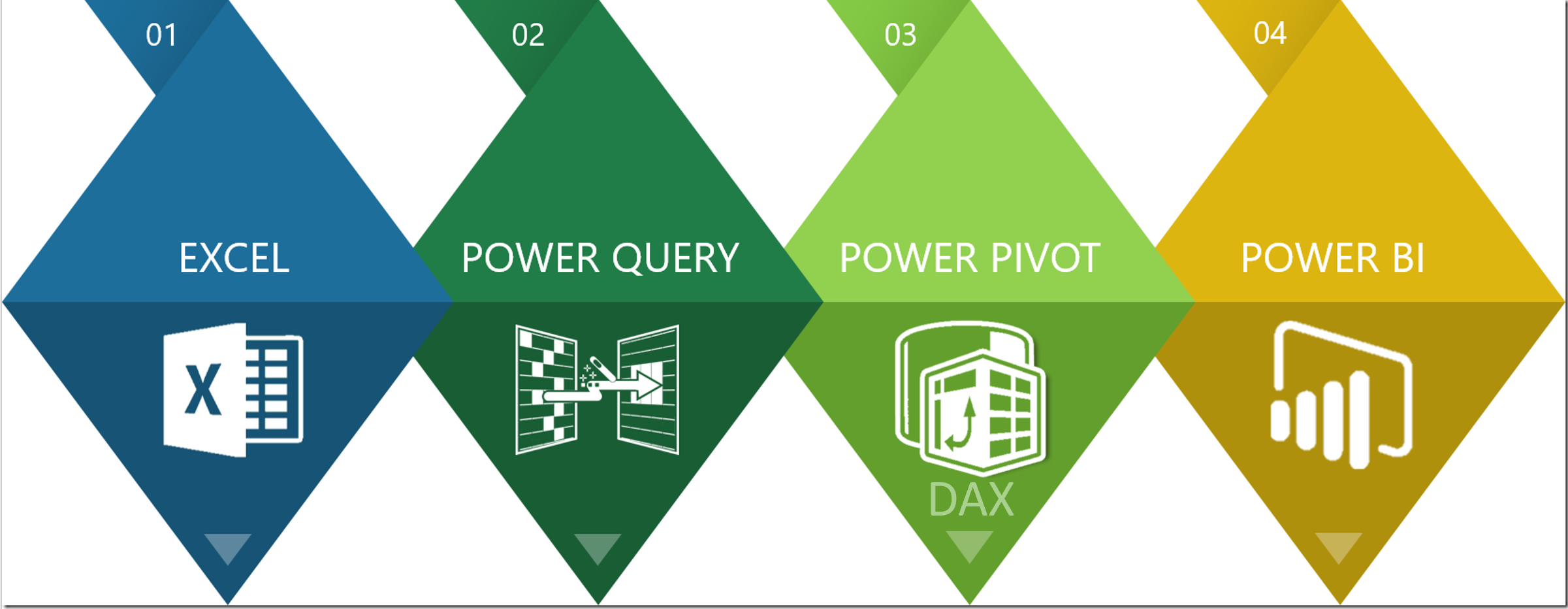
**Quest 6 – Text & Logical Functions**



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| Name: | Lucas Johnson |
| Instructions: | * According to several studies, the industry values documentation and excellent written and oral communication skills. The purpose of this part of the class is to encourage you to gain these skills. * Rename this document, fill-out this form, and submit it to the same link where you retrieved this material. * Backup your work; you may need this in the future or as part of an exam. * Organizations value attention to detail. As part of cultivating a culture of producing quality products and due diligence, please review your work at least twice before rendering them to your professor. Remember that resubmissions are not allowed. Thank you for your willingness to improve and to embrace an engineer's mindset. |

Using the **FoodMart\_Data\_Model**workbook, complete the following steps.

1. Create a calculated column in the **Store\_Lookup** table named supermarket\_size to categorize the size of each supermarket in the table, based on the following logic:

* If total\_sqft > **30,000** then supermarket\_size = "**Large**"
* Otherwise supermarket\_size = "**Small**".

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| Please replace the image below with your data table showing the new calculated column. |

**2)** Create a calculated column in the **Customer\_Lookup** table named membership\_level, based on the following logic:

* If member\_card = "**Golden**", "**Silver**" or "**Bronze**", then membership\_level = "**Premium**"
* Otherwise membership\_level = "**Basic**"

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| Please replace the image below with your data table showing the new calculated column. |

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| **3)** Update the supermarket\_size calculation in the **Store\_Lookup**table, to reflect the following logic:   * If total\_sqft > **35,000** then supermarket\_size = "**Huge**" * If total\_sqft > **30,000** and total\_sqft <=**35,000**, then supermarket\_size = "**Large**" * If total\_sqft > **25,000** and total\_sqft <=**30,000**, then supermarket\_size = "**Medium**" * If total\_sqft <= **25,000** then supermarket\_size = "**Small**" * Otherwise supermarket\_size = "**Other**"  |  | | --- | | Please replace the image below with your data table showing the new calculated column. |   **4)** Create a calculated column in the **Store\_Lookup** table named store\_street\_num to extract the street number from the store\_street\_address column.   |  | | --- | | Please replace the image below with your data table showing the new calculated column. |   Remember to save early, save often, and backup your work.  GRADING RUBRIC | | | | |
| Grading Criteria | 3  **Exceeds**  *Excellent*  Epic Wow | 2  **Meets**  *Satisfactory*  O.K. | 1  **Partially Meets**  *Below Expectations*  Not Yet | 0  **Does Not Meet**  *Unacceptable*  Fail |
| **Pivot Table –** How robust is the pivot table's view of the requirements? | Pivot table is excellent :55% | Pivot table is satisfactory :47% | Pivot table is deficient :30% | Unfortunately, no Pivot Table. |
| **Calculations –** How accurate are the results of the DAX calculations? | Excellent computations :35% | Satisfactory computations :27% | Computations are deficient. :20% | Unfortunately, no computations. |
| **Time Management –** candidate used time wisely during development, presentation, and all aspects of the work submitted in a timely fashion. | Work submitted promptly :10% | Submitted within the allotted time :7% | Submitted late :3% | Unfortunately, too long, too short, or untimely. |