**VBA Assignment**

**PART A**

Solve the following problems using Excel VBA.

1. A dataset (*“Result.csv”*) with Name, City, Age, Marks1, Marks2, Marks3 information is provided.
   1. Extract and create Name, City and Age columns from the “Nm\_Cty\_Age” column
   2. Find the Sum of all marks for each student, their percentage and accordingly rank them
2. An unstructured data (*“Scrapped\_Data”*) is provided from LinkedIn with a sheet with headers, you need to identify the pattern and fill the sheet accordingly

**PART B**

1. Find 5 datasets (dataset\_1 to datast\_5), each at **Product** x **Customer** level with a metric (Sales). Combine the datasets and output a permanent dataset that has the following:

* Five IN flags (corresponding to each dataset), where the flag is set to 1 if the Product was in that dataset, otherwise 0
* A variable that holds maximum Sales value (at **Product** x **Customer** level) across the five datasets
* A variable to indicate from which dataset the maximum value came from

1. Summary: The final dataset should be at **Product** x **Customer** level (if 2 datasets have same product and customer, the maximum sales of the 2 should be taken)
2. Create a DFD (Data Flow Diagram) on paper with each step you that you plan to execute and send screenshot along with the solution. The DFD should have the following:

* Temporary datasets created in process
* Inputs and outputs at each step
* Level of granularity (uniqueness at each step)
* Short notes on what will happen at each major step (bulleted list, no need to include specific details or formulas)
* Any assumptions, if made

All the necessary datasets have been provided in the Repository. Save the answer files as “Q1\_YourName” for problem 1 and likewise.