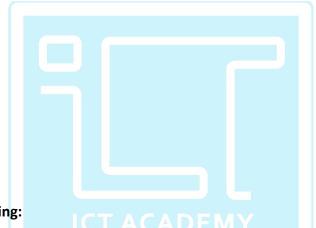
## **CASE STUDY ON UNSUPERVISED LEARNING**

The Whole sale customer data is given

- 1. Read the dataset to the python environment.
- 2. Try out different clustering models in the Whole sale customer dataset.
- 3. Find the optimum number of clusters in each model and create the model with the optimum number of clusters.
- 4. Perform PCA for Dimensionality reduction.



## Please note the following:

- Use the Whole sale customer data file attached along with the question.
- Give headings to each step you are doing.
- Do the case study in Python.
- Create a repository in GitHub account as "Public".
- Upload the notebook file (. ipynb) to the repository.
- Please make sure that you are uploading the notebook file including the outputs as well.
- Share the link of this notebook from GitHub in the online text editor provided in Paatshala.