**Assignment – 2**

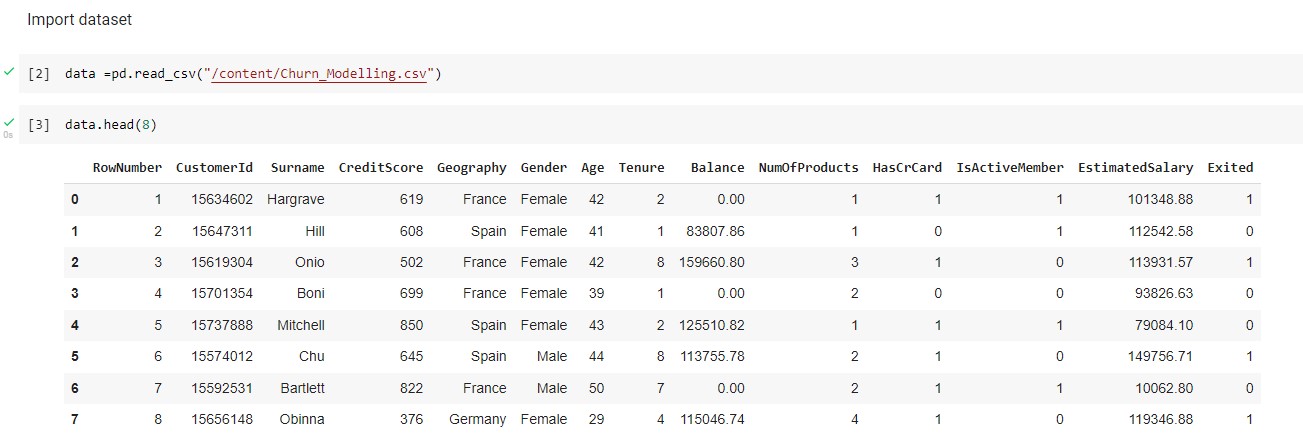
**Data Visualization and Pre-processing**

|  |  |
| --- | --- |
| Assignment Date | 22 September 2022 |
| Student Name | Mr.Tamilselvan.M.A |
| Student Roll Number | 142219106116 |
| Maximum Marks | 2 Marks |

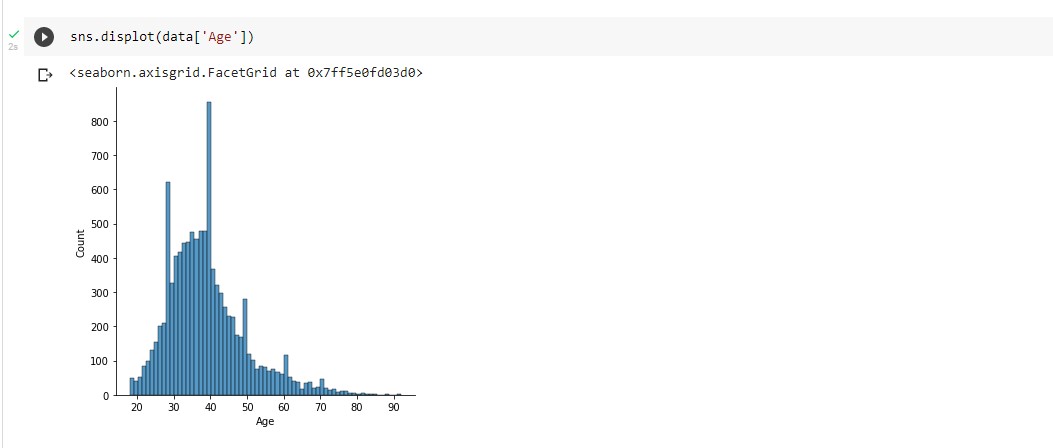
**TASKS:**

1. Download the dataset

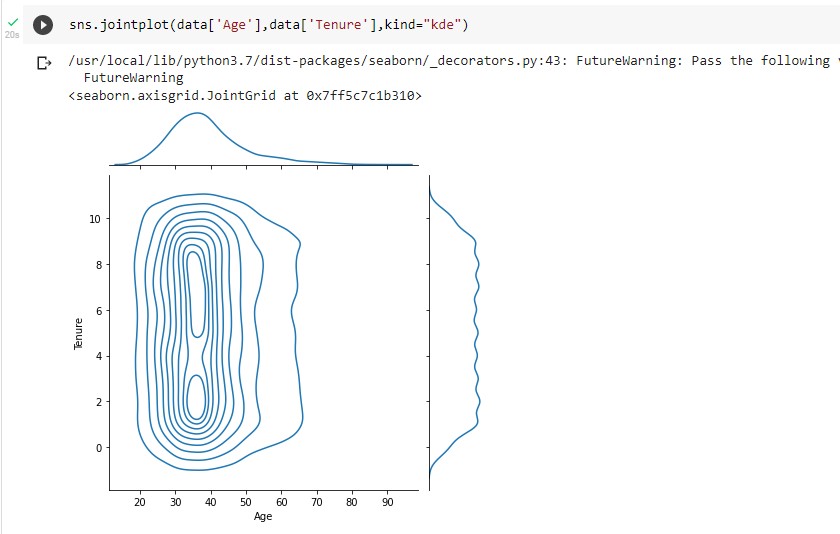
1. Load the dataset



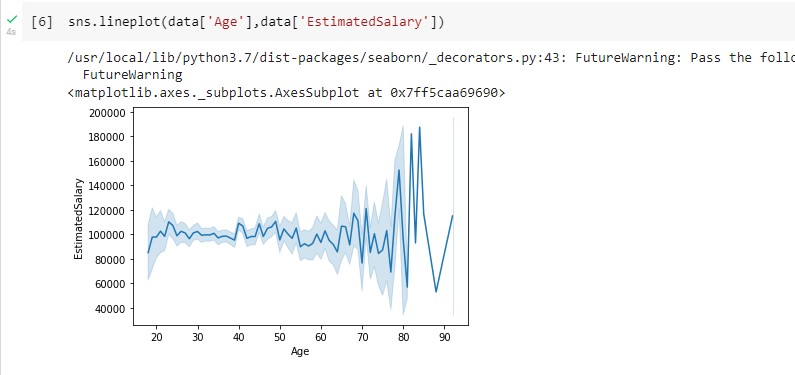
1. Perform Below Visualizations.
   * Univariate Analysis



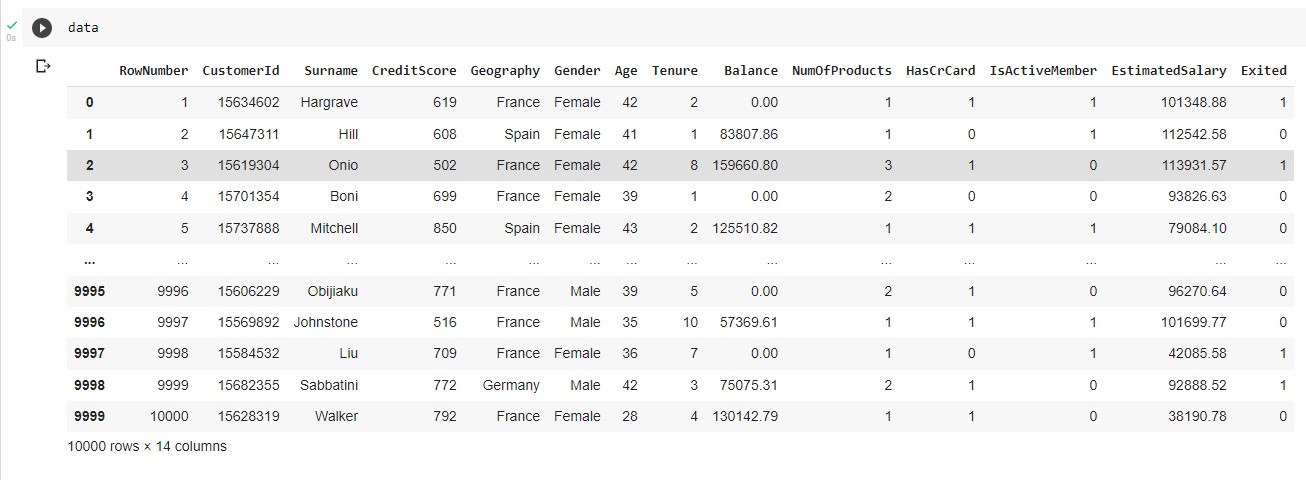
* + Bi-Variate Analysis



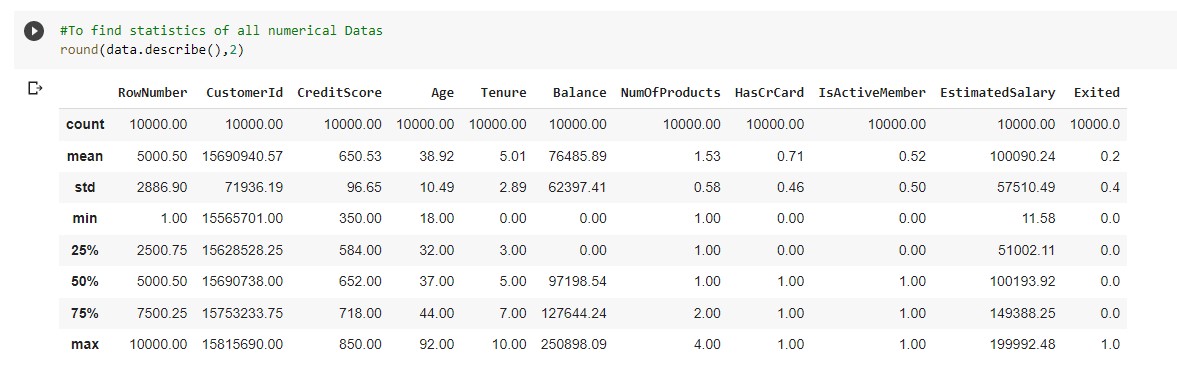
* + Multivariate Analysis

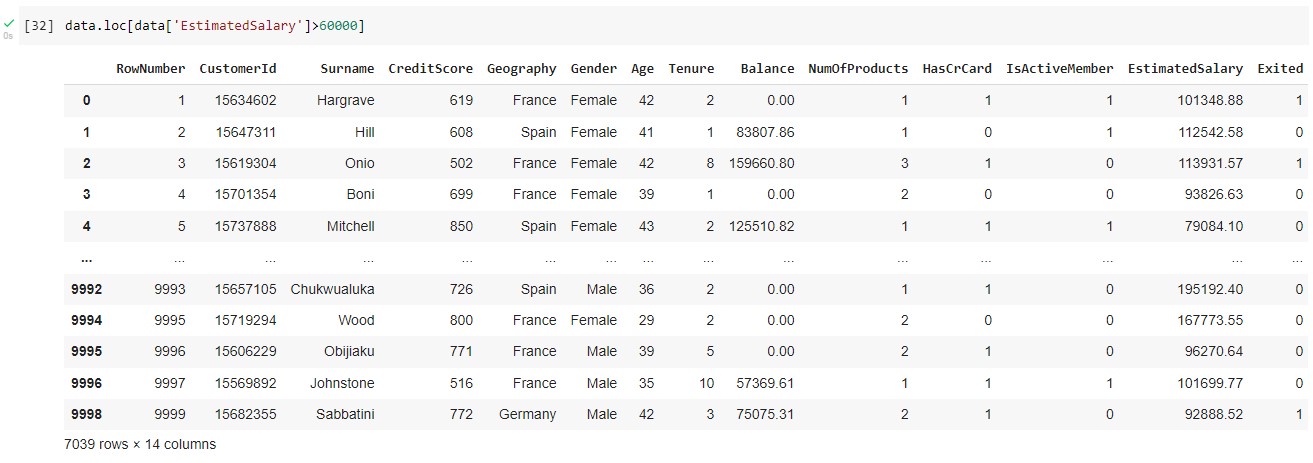


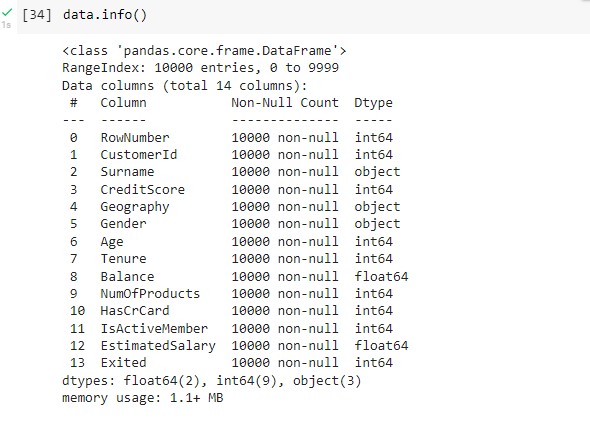
1. Perform descriptive statistics on the dataset



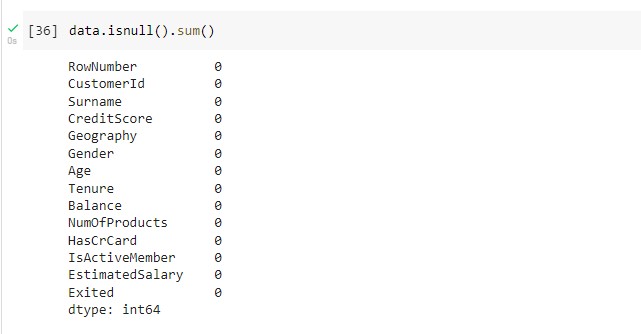




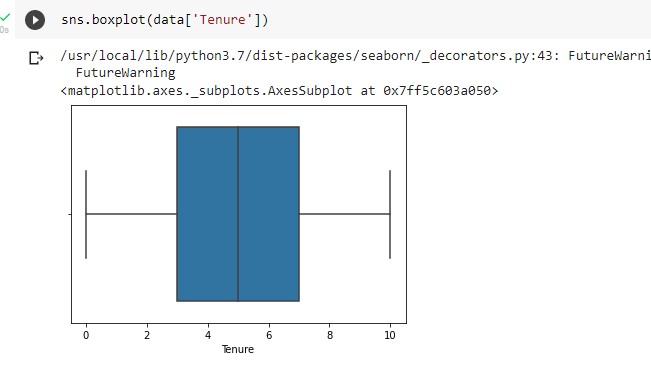
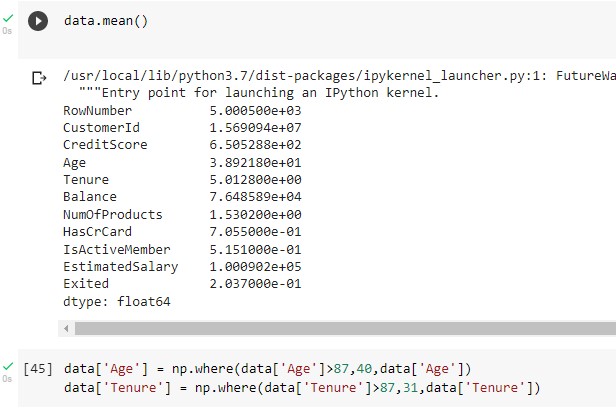
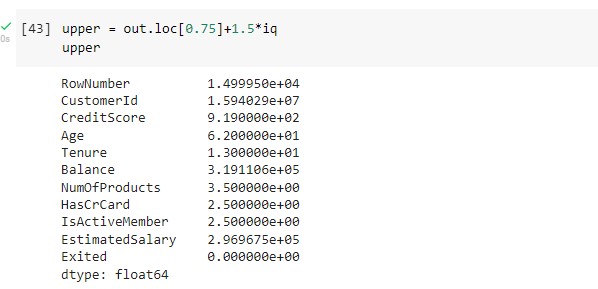
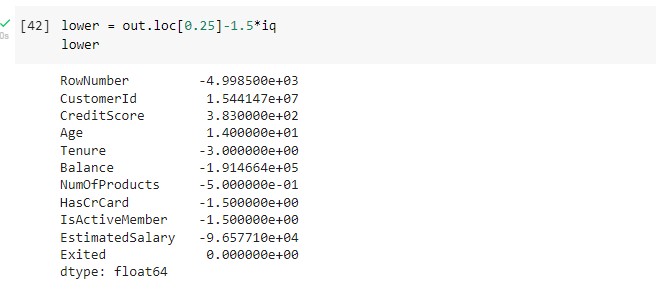
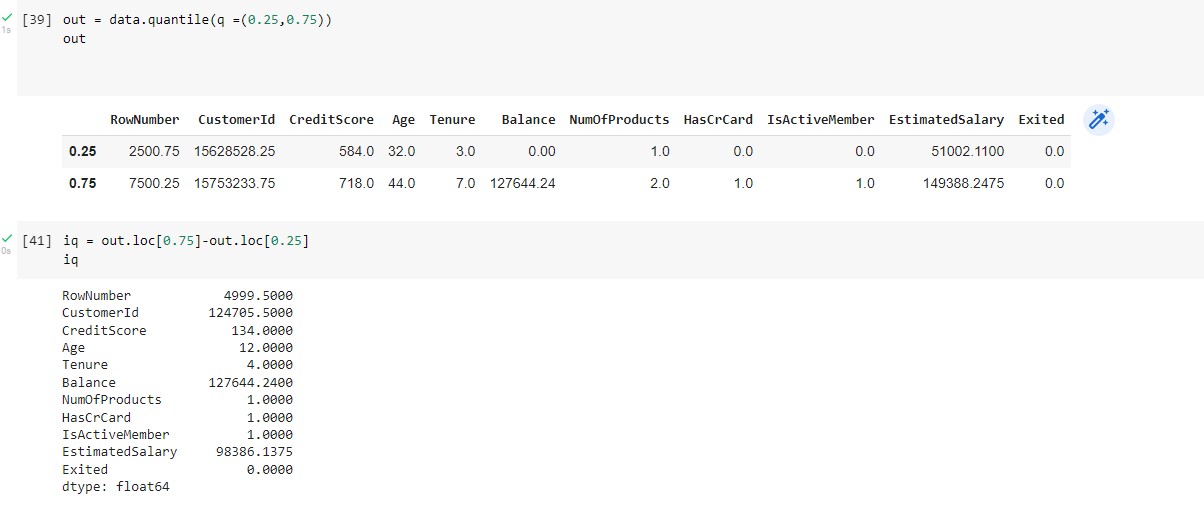




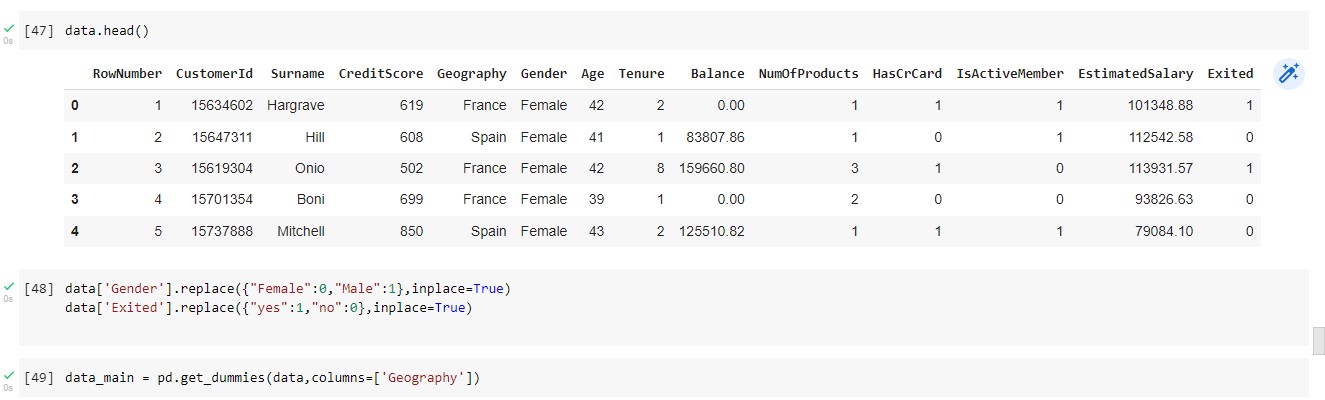
1. Handle the Missing values.

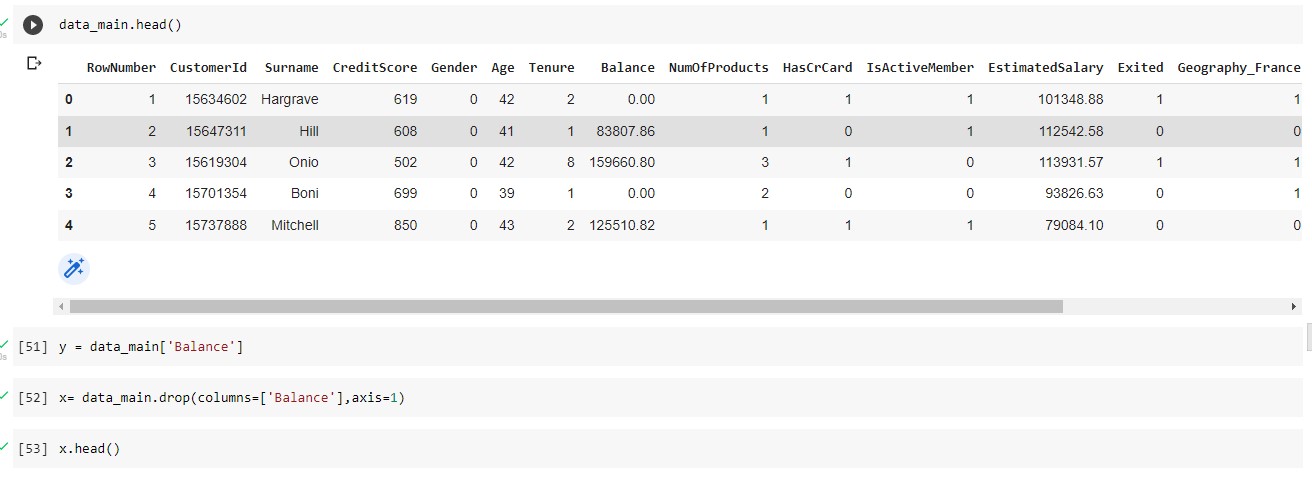


# 6. Find the outliers and replace the outliers

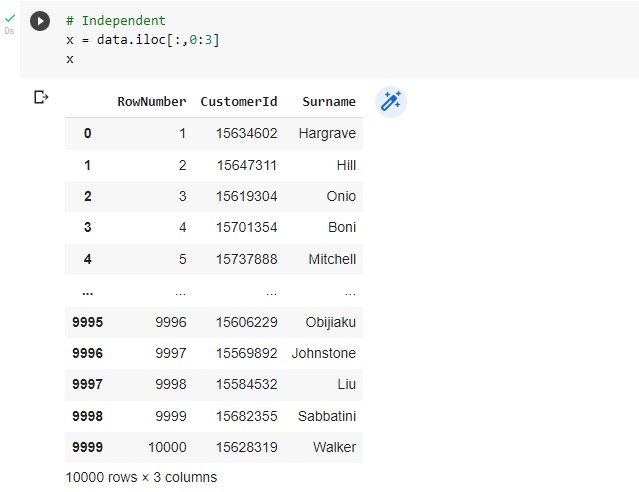


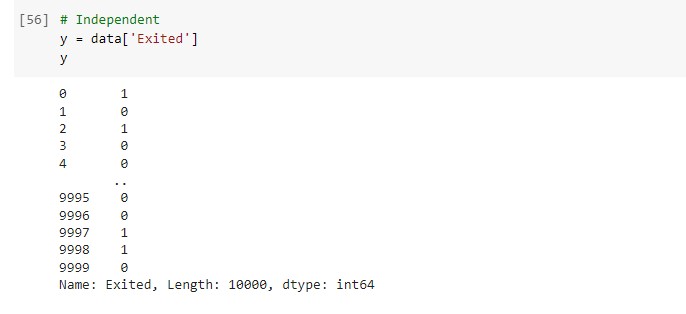
1. Check for Categorical columns and perform encoding.



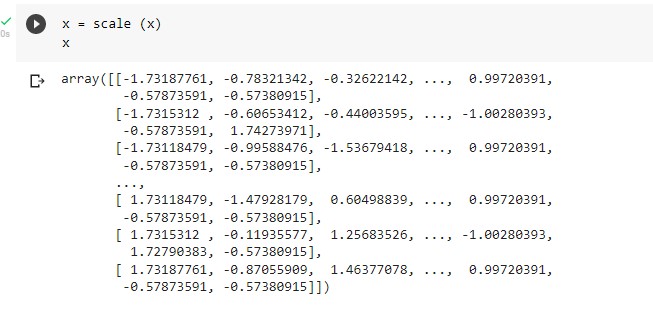
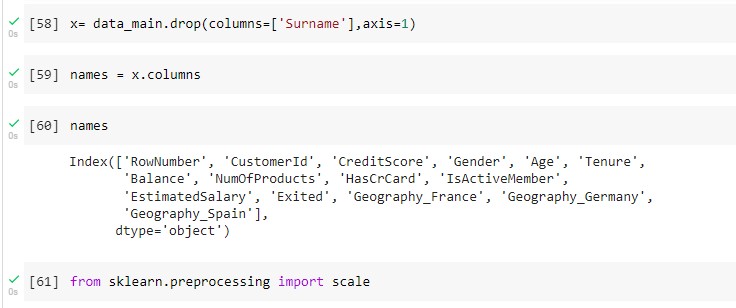


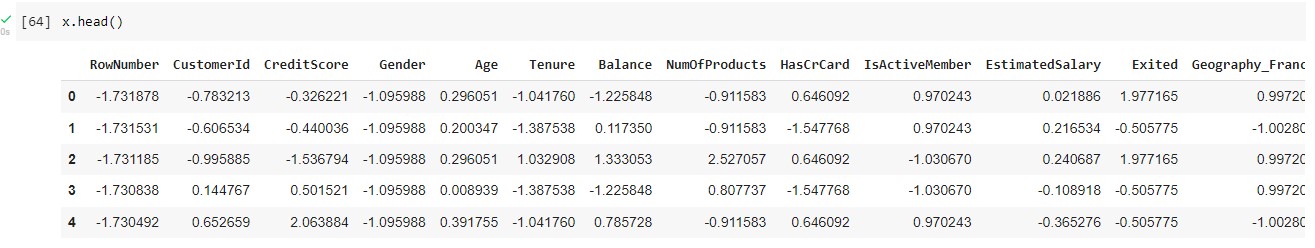
1. Split the data into dependent and independent variables.



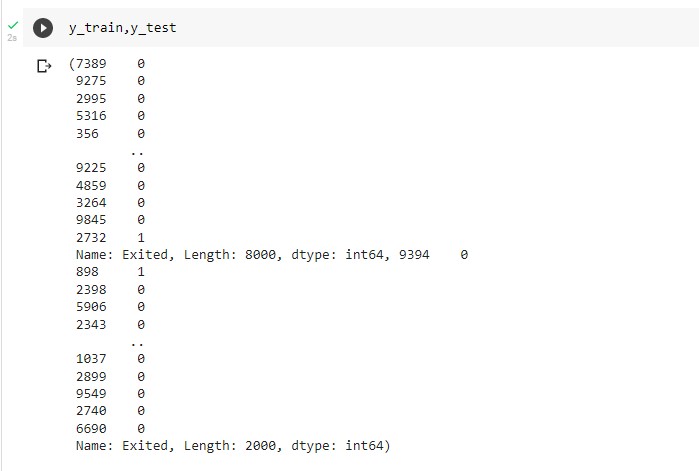
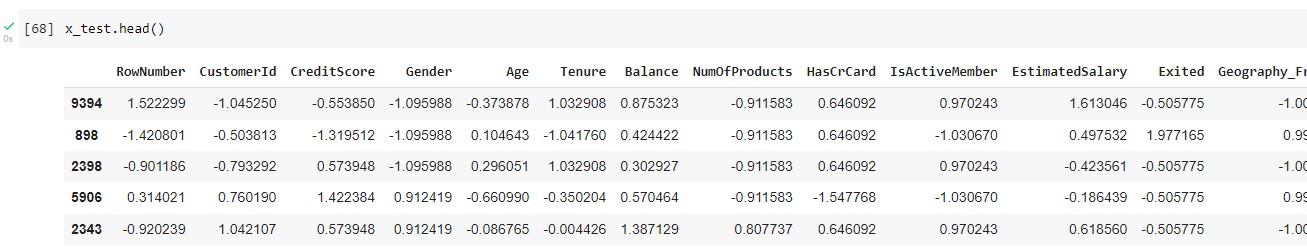
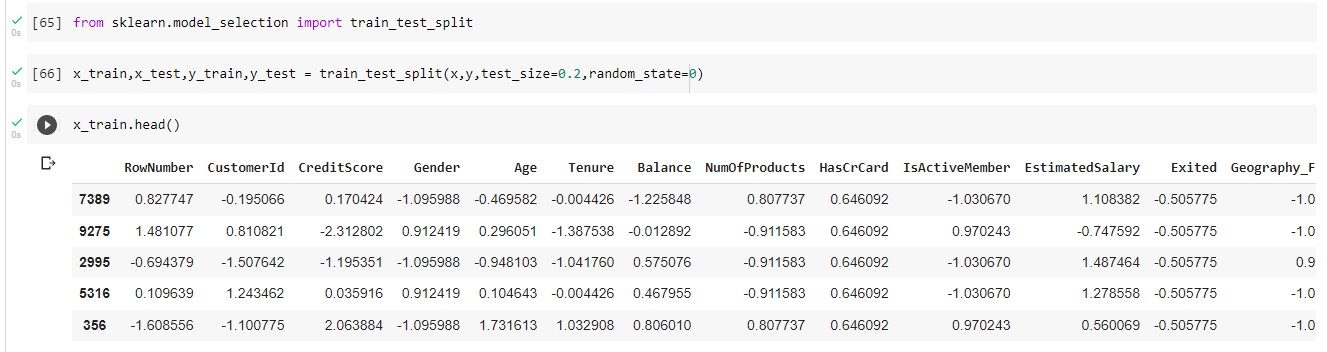


## 9. Scale the independent variables





## 10. Split the data into training and testing



**COLAB LINK :**

https://colab.research.google.com/drive/1v5GSQB\_R4UiRDTSUiZZweKCYpPN2nblT#scrol lTo=eyzUNIQQvCza