**Assignment -2**

Data Visualization and Pre-processing

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| Assignment Date | 21 September 2022 |
| Student Name | K.Dinesh Kumar |
| Student Roll Number | 510119104006 |
| Maximum Marks | 2 Marks |

**Question-1:**

**Download the dataset:**

The dataset “Churn\_Modelling.csv” was downloaded Successfully

**Question-2:**

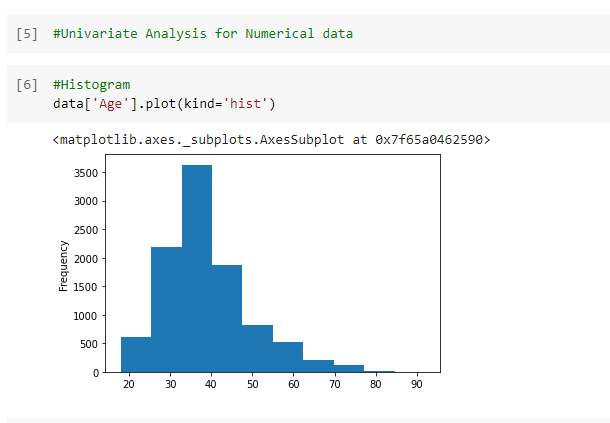
**Load the Dataset:**

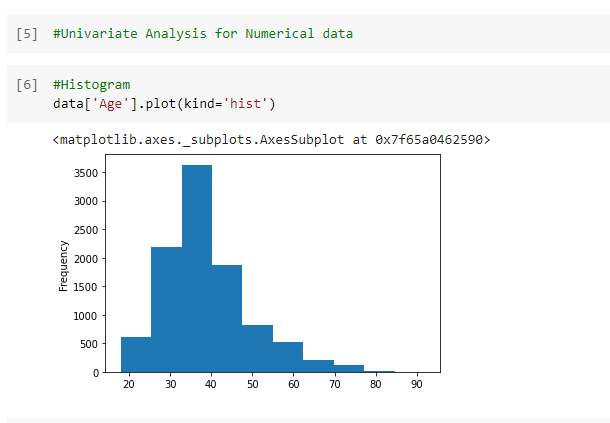
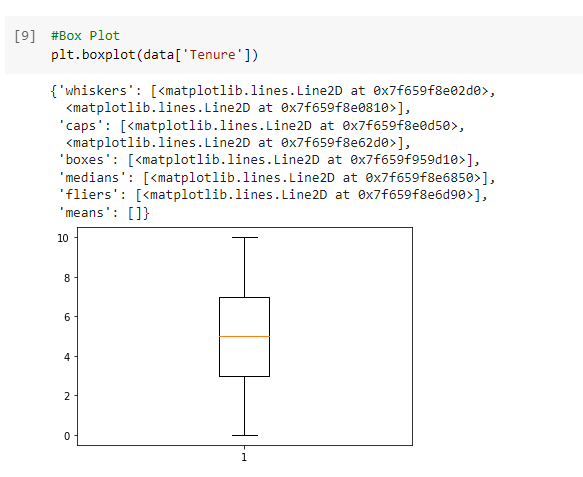
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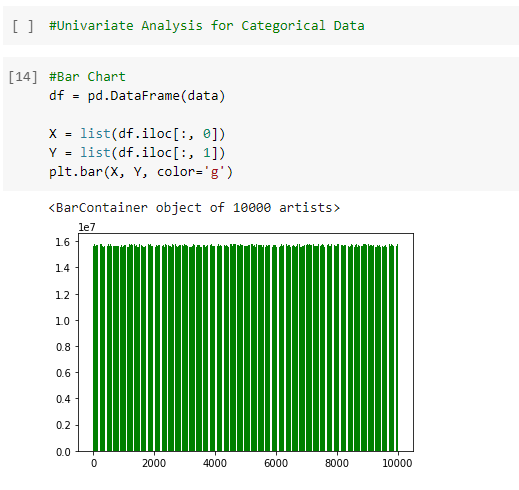
**Question-3:**

**Perform Below Visualization:**

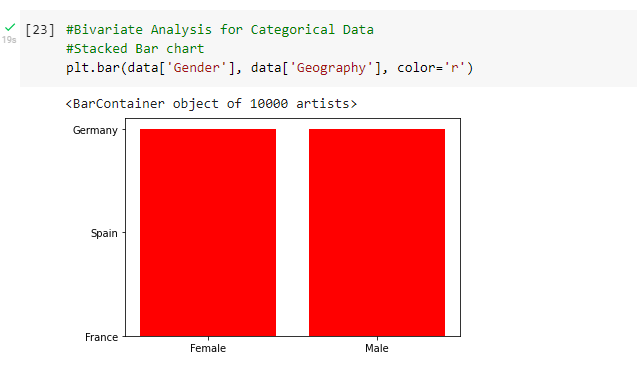
**Univariate Analysis**

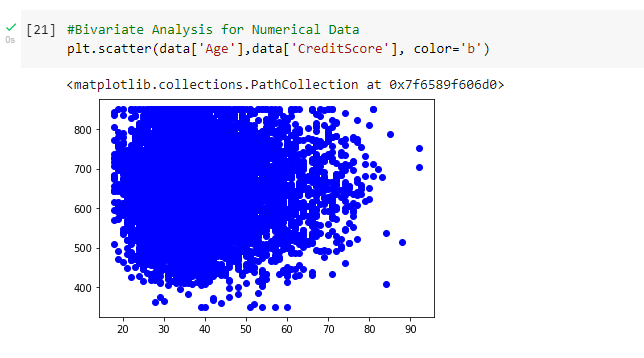
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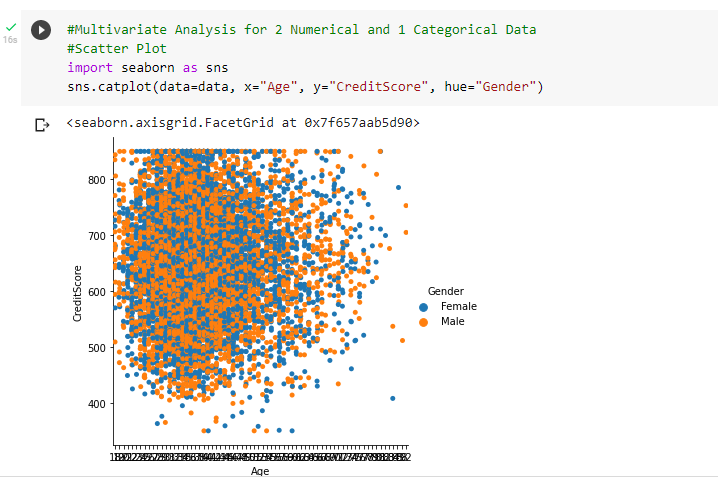
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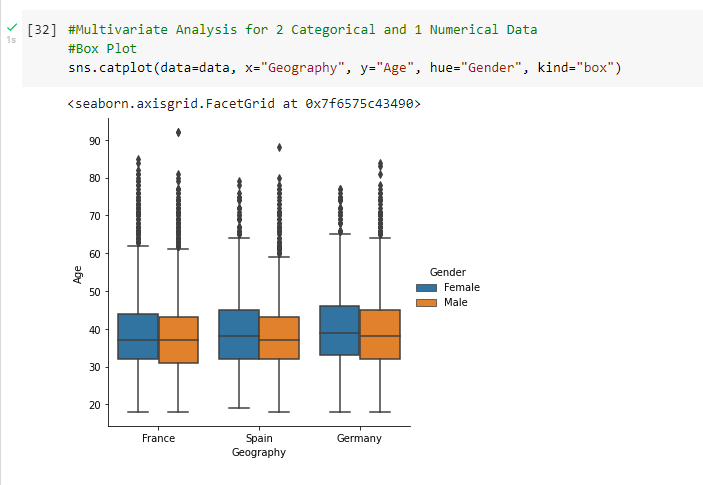
**Bivariate Analysis**

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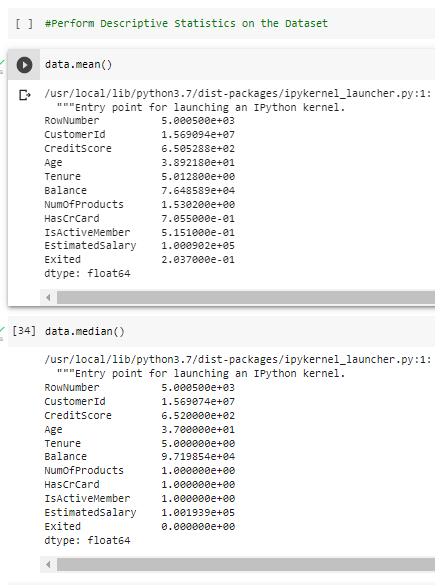
**Multivariate Analysis**

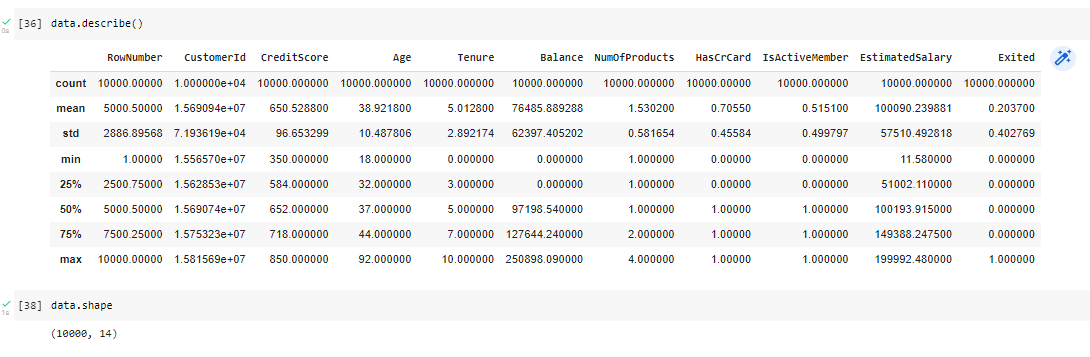
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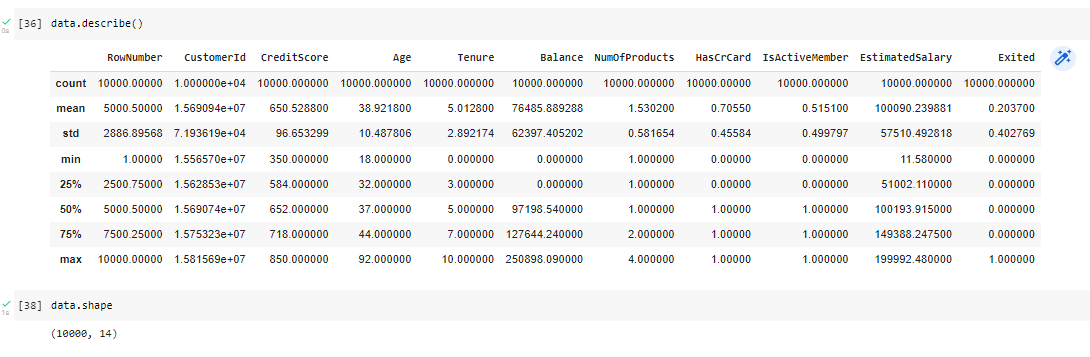
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**Question-4:**

**Perform Descriptive Statistics on the dataset:**

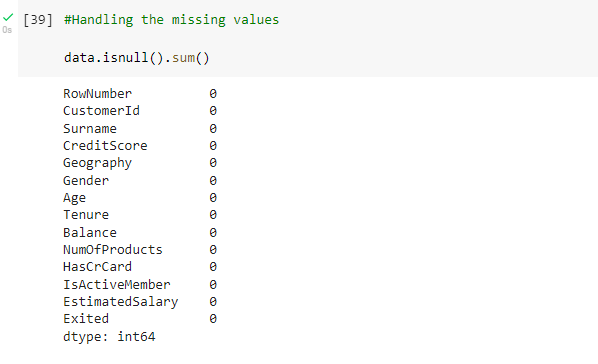
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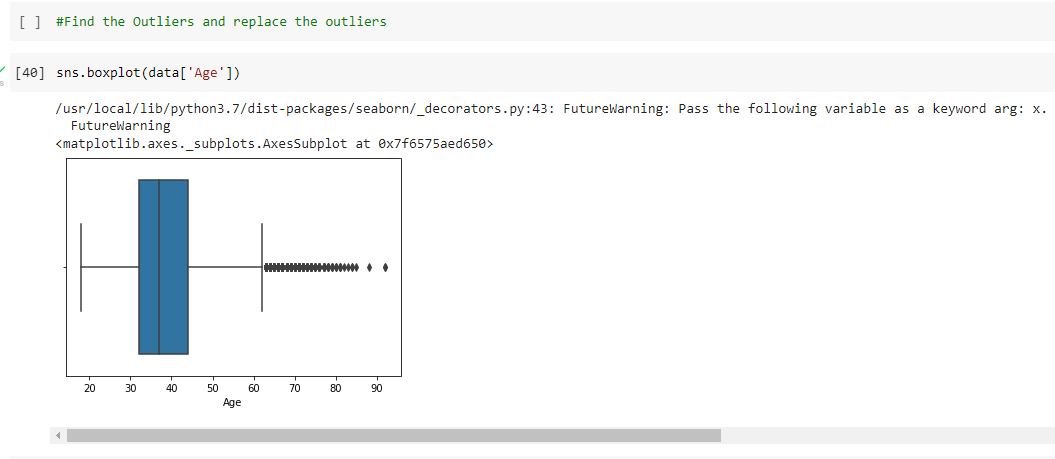
**Question-5:**

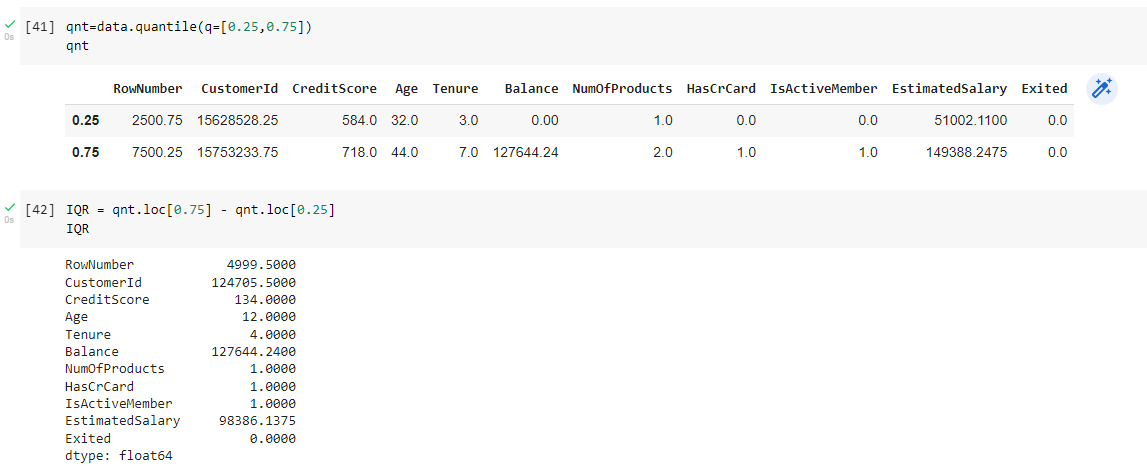
**Handle the Missing values:**

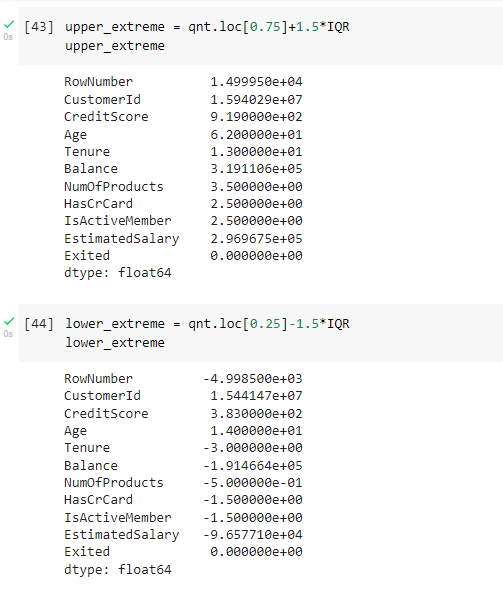
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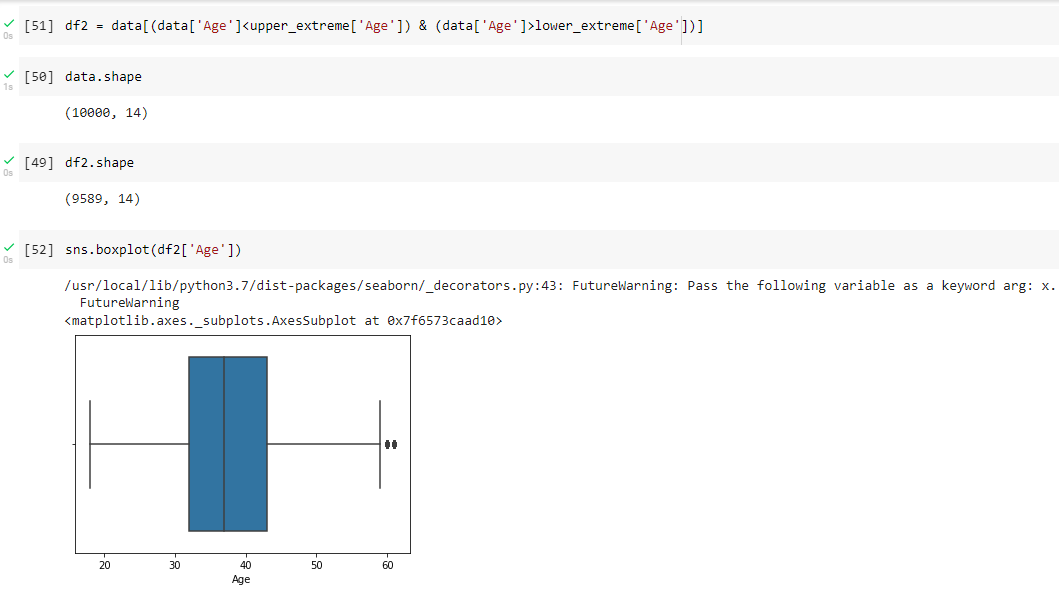
**Question-6:**

**Find the outliers and replace the outliers:**

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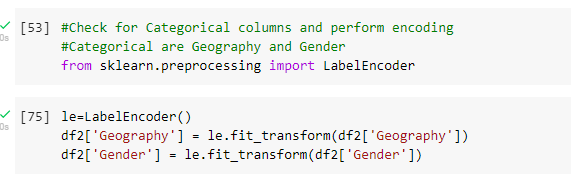
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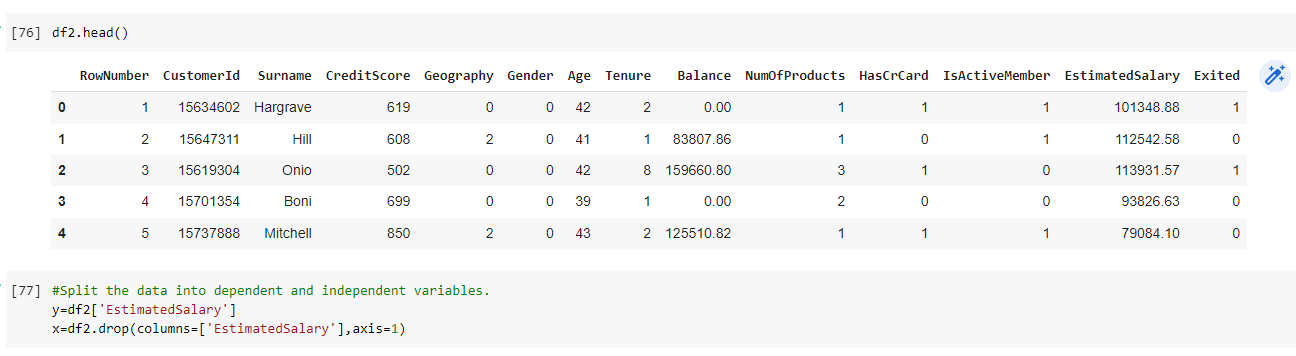
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**Question-7:**

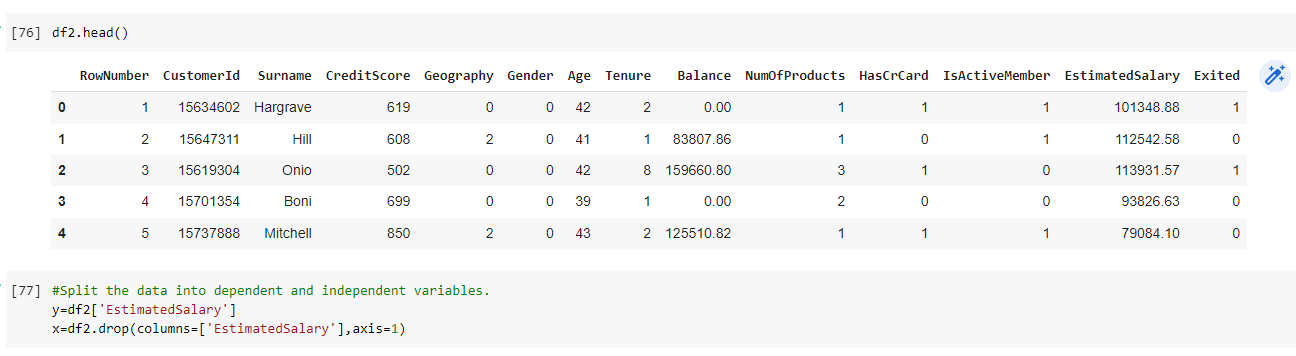
**Check for Categorical columns and perform Encoding:**

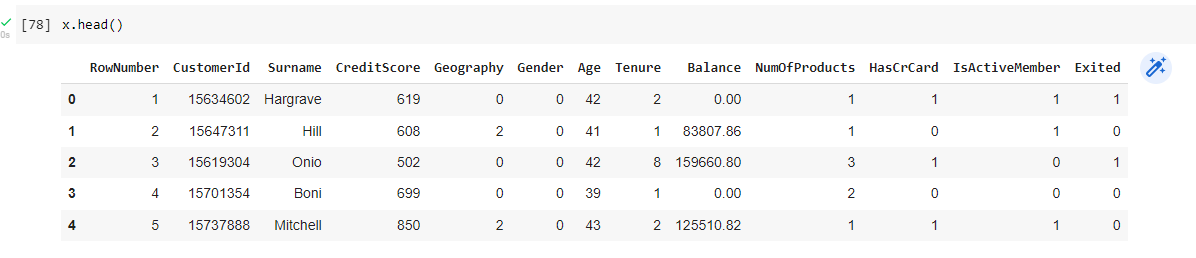
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**Question-8:**

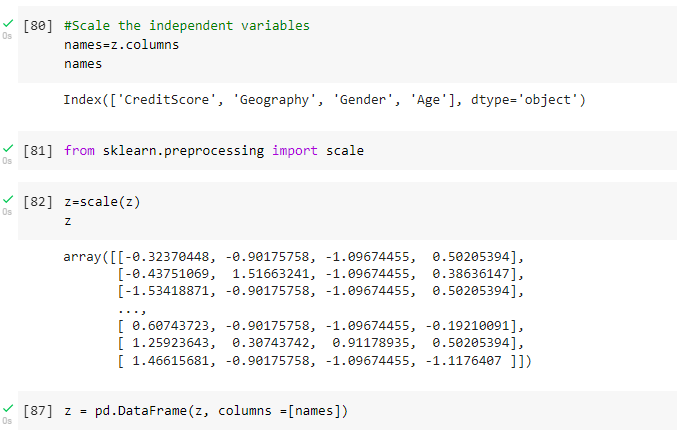
**Split the data into dependent and independent variables:**

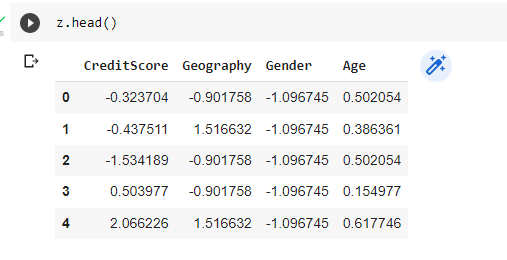
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**Question-9:**

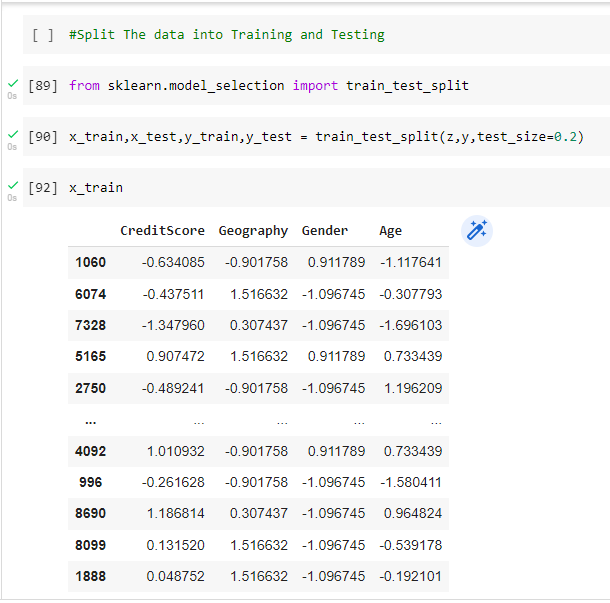
**Scale the independent variables:**

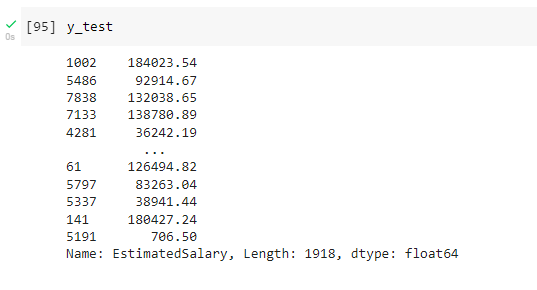
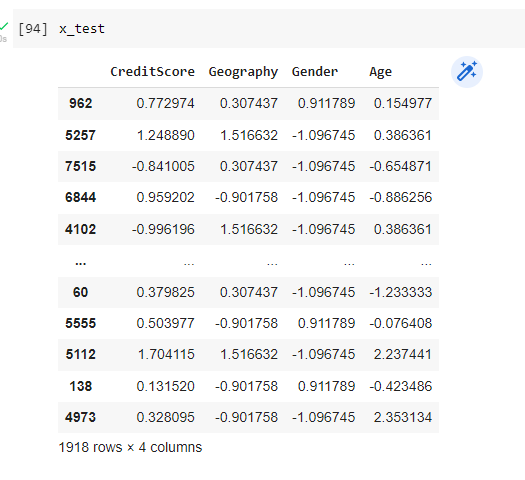
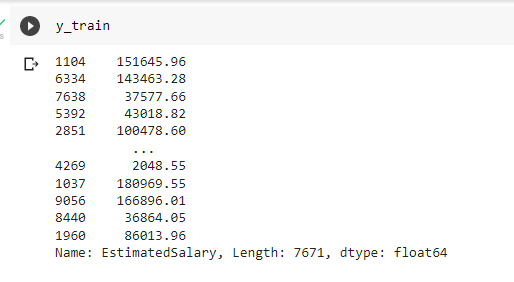
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**Question-10:**

**Split the data into training and testing:**

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