**Task 3**

Check for Shape, Data types, Missing and null values in the dataset

**Shape:** The "shape" of a dataset refers to the number of rows (samples) and columns (features or variables) it contains. In data analysis, understanding the shape of a dataset is one of the fundamental steps when working with data. It provides you with crucial information about the dataset's size and structure, which is essential for data exploration, preprocessing, and analysis.

**Data Type:** Getting the column data types of a dataset is an important step in data analysis, as it helps you understand the nature of the data you're working with. Each column in a dataset can have a specific data type, which defines how the data is stored and processed. In Python, you can use libraries like Pandas to retrieve the data types of columns in a DataFrame.

**Checking null and missing values :** Checking for null values and missing values in a dataset is an essential data preprocessing step in data analysis. Null or missing values can significantly impact the quality and accuracy of your analysis, so it's crucial to identify and handle them appropriately. Here's an explanation of how to check for and deal with null values and missing values in a dataset:

Null Values vs. Missing Values:

Null Values: In the context of many programming languages and libraries like Python and Pandas, null values are typically represented as NaN (Not-a-Number). They are used to indicate the absence of a value or a placeholder for missing or undefined data.

Missing Values: Missing values refer to the actual data points that are absent or unknown in a dataset. These can be represented by null values (e.g., NaN in Pandas) or other placeholders.

**Your task:** In this task you have to check for the shape of the dataset, data types of different values in the dataset and also check if there is any missing values or null values in the dataset.

**https://github.com/rishabhgoyal0498/Task-3**

You can find the dataset and sample code in the above perform the task and send the code to me before the deadline

The code sample is also attached for your reference perform the task with other dataset(download from Kaggle or any other source) and send that code also.