****

***Artificial Intelligence (Lab)***

***Assignment - 9***

**Name:**

Ali Maqsood.

**Roll no:**

SU92-BSAIM-F23-050.

**Department:**

Software Engineering Department.

**Program:**

Artificial Intelligence.

**Section:**

BSAI-3A

**Question # 1:**

Machine Learning

**Explanation:**

In this assignment we will do the first 2 steps of machine learning which are data loading / reading and data exploration.

**Data Loading / Reading:**

In this step we load our dataset using the pandas and read function. We always import the required library as first step.

**Data Exploration:**

In this step we perform different functions on the loaded data to make it useful as the requirements. We performed the following functions in the given task:

1. Printing rows / columns.
2. Head.
3. Tail.
4. Describe.
5. Info.
6. Column Names.
7. Count.
8. Unique.
9. N-Unique.
10. Is-null.