**Assignment Title: Orientation & Setup**

## Reading Summary:

## This week I learned how to set up a data science environment using Google Colab Notebook. I understood the difference between NumPy and Pandas, and learned that Pandas is used to handle and analyze tabular data easily. I also explored Kaggle datasets and understood how to download and use them for data analysis.

## 2. Task Performed:

* Installed and set up Google Colab for Python programming.
* Downloaded the Titanic dataset from Kaggle.
* Loaded the dataset using Pandas in Colab (pd.read\_csv('titanic.csv')).
* Displayed the first 10 rows using df.head(10).
* Verified the dataset successfully loaded and showed correct output.

## 3. Output:

The output displayed the first 10 rows of the Titanic dataset with columns like: PassengerId, Survived, Pclass, Name, Sex, Age, SibSp, Parch, Ticket, Fare, Cabin, Embarked. The data loaded successfully without any error.

## 4. Learning Outcome:

* How to use Google Colab for data science work.
* How to read and display a dataset using Pandas.
* The basic structure of a dataset (rows, columns, missing data, etc.).
* How to upload and manage projects on GitHub.

## 5. GitHub Repository Link:

GitHub repository link here:

* https://github.com/AlmasMalik66/DataScience-AI-Assignment