1. Data Preprocessing and Exploratory Data Analysis (EDA):

o Description: Perform data preprocessing and EDA on a real-world dataset using Python libraries like pandas, NumPy, and Matplotlib.

o Why: Proper data preprocessing is essential for successful machine learning model building.

o Tasks:

- Choose a dataset from Kaggle or UCI Machine Learning Repository.
- Clean and preprocess the dataset (handle missing values, normalize data, etc.).
- Perform EDA, generate visualizations, and identify important patterns and correlations.
- Submit a Jupyter notebook with code, visualizations, and conclusions.
- Upload the project on GitHub and share the link.