

## **Mini-Project: Simple Data Manipulation**

**Project Description:** Using the Titanic dataset, perform the following tasks:

1. Clean the dataset by handling missing values.
2. Analyze survival rates based on different demographic factors (age, sex, and class).

### **Assignment:**

1. Write a Python program to analyze and compare the survival rates between passengers who were traveling alone and those traveling with family members (using the Siblings\_Spouses\_Aboard column).
2. Perform a more detailed analysis of survival rates across different age groups (e.g., group ages into bins: 0-10, 11-20, 21-30, etc.)