**AI 102L**

**Lab 08 Task**

#### Q1: Take the Titanic dataset and perform these steps

#### 1. Read the first and last 10 rows

#### 2. Checking null values, duplicate values, and cleaning the data

#### 3. Check column types and the number of unique entities.

#### Q2: Analyze the dataset generally and figure out which plot is suitable for finding relations between numeric columns

#### Q3: Analyze and Plot w.r.t the survived or target column, plot on your choice, which you can clearly interpret

#### Q4: Show which gender survived more male or female, by plotting an interpretable plot,

#### also show which gender has a higher survival rate using pandas(count(), min, max method, which you have used in the previous class)

#### Create Scenarios on your own that you can apply to the Titanic dataset using both pandas and visualization libraries, Use sub-plotting for analysis