Laboratory Experiment No. 4

Perform Feature Engineering on the **"TITANIC"** dataset shared (Assuming that you have already done EDA for the data). Please make use of the information given in the *Dataset_Information file* given during Lab Experiment No. 03.

Try to find below Feature Engineering (FE) Steps

1. **Handling of Missing Values.**
   a. **For Numerical Variables.**
   b. **Categorical Variables.**
2. **Handling of Outliers at least for 1 variable.**
3. **Handling of Rare Variables.**

Apart from the above FE requirement, you can add more processing of FE which you think can be included. (Bonus marks would be there in each inclusion)

For each step please write your observation and at the end of the Experiment please provide a precise conclusion.

Note :
1. Please submit a single PDF document with a continuous flow of code, output, observation and conclusion.