**Problem Statement**: The two outcomes for the given input data “germancredit.csv,” are success and failure, which represent defaulting on the loan and not defaulting, respectively. You need to perform logistic regression by considering the features of the loan and characteristics of the borrower as the explanatory variables.

After this, you are required to perform *k*-means classification with the help of three continuous variables—duration, amount, and instalment.

Finally, take help of the cross-validation method to determine the % of identification that happens correctly with k= 5 nearest neighbors.