**Loan Prediction**

In this project I have predicted whether or not a person is eligible to approve for a loan or not. To get an clear idea ,I have used different types of Machine learning algorithms, out of algorithms I preferred only Supervised Algorithms. The information of used algorithms is :

**Logistic Regression:**

An advantage of logistic regression is that it allows the evaluation of multiple explanatory variables by extension of the basic principles. The general equation is\_\_\_

**Decision Tree:**

Decision tree can be used to classify information optimally. A Decision tree is a flowchart like tree structure, where each internal node denotes a test on an attribute, each branch represents an outcome of the test, and each leaf node (terminal node) holds a class label.

**Random Forest:**

Random Forest classifier is a classification algorithm that consists of many decision trees. It runs efficiently on large data bases. It can handle thousands of input variables without variable deletion.

**Conclusion:**

Based on our observations from the project given,

we can conclude that Logistic Regression is the most suitable classifier since it has high performance metrics.

**DataSet Link :**

https://www.kaggle.com/datasets/altruistdelhite04/loan-prediction-problem-dataset