**TO PREDICT WHETHER A PERSON HAS HEART DISEASE OR NOT**

CSV file: <heart_disease_data.csv>

WORKFLOW:

1. Load the data set
2. Data processing
3. Train-test splitting of the data set
4. Using *LOGISTIC REGRESSION MODEL*: Since this model is a binary classification model, i.e., the output is either a yes or no, so we use the logistic regression model as it is the best binary classification model
5. After evaluation, we will get a trained logistic regression model
6. When we put testing data, it will give an answer whether a person has heart disease or not
7. I have used Google Colaboratry for this project
8. Stratify distributes data into even set values as it was present in the original data
9. Test\_Size is used to define how much %age of data we want to be used as test data
10. Random state is used to split data in a specific way
11. Fit() will find relations or trends between xtrain and ytrain
12. Accuracy score is used to predict the target value and the predicted value is compared with the target value
13. The accuracy of the data set used is ~85% and if a large data set would have been used then the accuracy could have been higher
14. The accuracy of training and test data should be almost equal. Here I have test = 82% and training = 85%