**Group *3***: - Report *4*

**CSE523 Machine Learning**

**Heart Attack Prediction**

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* After dividing the data into train and test set and applying the KNN model, the next thing which we have done was applied two other models to our data.
* The two other models which were applied where logistic regression and Linear Discriminant Analysis (LDA).

Logistic Regression.

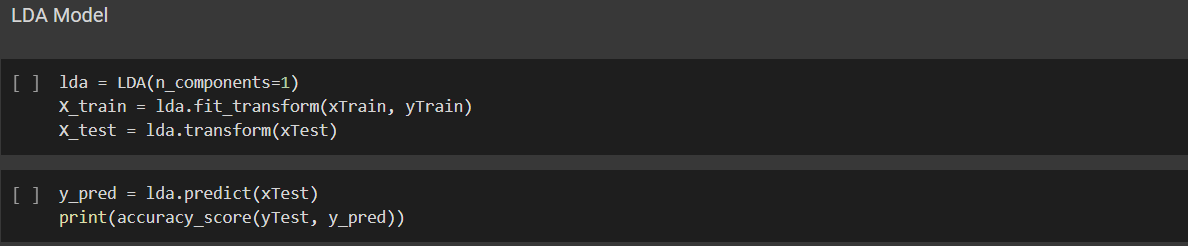
* Here we have used an inbuilt function which is logisticRegression to predict the heart attack.
* First of all, we fit the model and then test the model.
* The accuracy which we were getting in this case was 90%.



* The reason behind this is logistic regression performs well where we are having a binary output.

Linear Discriminant Analysis:

* Then after we use LDA model to predict the heart attack.



* The accuracy in this case was 87%.

Thank You