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**ROLL NUMBER : SU92-BSAIM-S24-026**

**SECTION : 3A**

**Documentation**

**Explanation :**

I train the Titanic data First with cleaning the data and the in the testing I do the same. Then I apply model to my Data set which is Gradient Boosting Classifier, which helps me to improve the accuracy of model and is used for classification. Then, by file handeling I save the trained and tested data in the submission file and upload to the Keggle.com, and my accuracy rate on the keggle is 76%.

**Why Gradient Boosting Classifier :**

Firstly, I use SVC model but this gives me 64% accuracy rate but this is not the requirement and also very low rate, so that I use another model name Gradient Boosting Classifier which gives me 76% Accuracy Rate.