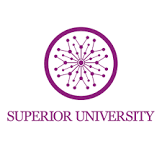
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**NAME**: MAHAM AZAM

**ROLL NO**: BSAIM-F23-05

**SUBJECT**: PAI-LAB-TASK2

**How and Why?**

The code is designed to predict weather the passenger is transported or not. To make these predictions, we are given a set of personal records recovered from the ship's damaged computer system. This is a kaggle competition named spaceship titanic.

First of all we will load the train and test dataset and then we will read it. We will import some necessary libraries like pandas numpy scikit-learn for handling missing values, evaluation, preprocessing. After cleaning the data, Random Forest Classifier, is trained to classify passengers based on their likelihood of being transported.

Finally the model accuracy is evaluated to measure its performance. At the end it will create a new file with new predictions and save it as a submission.csv.

The overall goal of this code is to process the given data efficiently, train the model and make accurate prediction about passenger transportation.

**Output**

