**Question 1**

Rahul built a logistic regression model with a training accuracy of 97% and a test accuracy of 48%. What could be the reason for the gap between the test and train accuracies, and how can this problem be solved?

Answer:

The reason for this is Overfitting, if we do Cross-validation it will give an even better idea as it is more robust.Once you find a model that looks like it will do very well, you train it on all of your training data and start using it in production to make predictions.