**Solution Sheet**

1. Which model have you used for Total IPL 2020 Runs prediction for each player? Explain your model.

I used **Random Forest Regression** model for predicting total IPL 2020 Runs.

**Random forest builds multiple decision trees and merges them together to get a more accurate and stable prediction.**

Also, I used **hyper parameter tuning** which helps in increasing overall result of our model.

There is **n\_estimators** hyperparameter, which is just the number of trees the algorithm builds before taking the maximum voting or taking the averages of predictions.

**max\_features**, which is the maximum number of features random forest considers to split a node.

**min\_sample\_leaf** which determines the minimum number of leafs required to split an internal node