1. **Write your observations about the Classifier’s behavior with respect to the number of estimators**

In this random forest classifier, the highest accuracy happened when the n\_estimator is 50. As n\_estimator goes up, the general trend of accuracy is decreasing. But on 300 and 500, the accuracy is also relatively high.

1. **Is there an optimal value of the estimator within the given range**

The optimal value of the estimator within the given is 50.