**Regression Random Forest/Ensemble Learning**

Regression Random Forest is also known as Ensemble Learning.

Ensemble Learning is performing collection of different algorithms together or repeating the same algorithm again and again.

The conclusion of Ensemble is to create and perform a bulk algorithm.

As we know, Random Forest is the extension of Decision Tree.

In Decision Tree, we take the optimum tree by calculating **entropy** and **gain.** But, In **Random Forest** we consider all trees and then, find all the output and choose the majority answer.

Here also, we are going to consider multiple trees and then, find the output. The only difference between classification random forest and regression random forest is we don’t split the data in classification type and in regression type we split the data based on several combination of conditions.