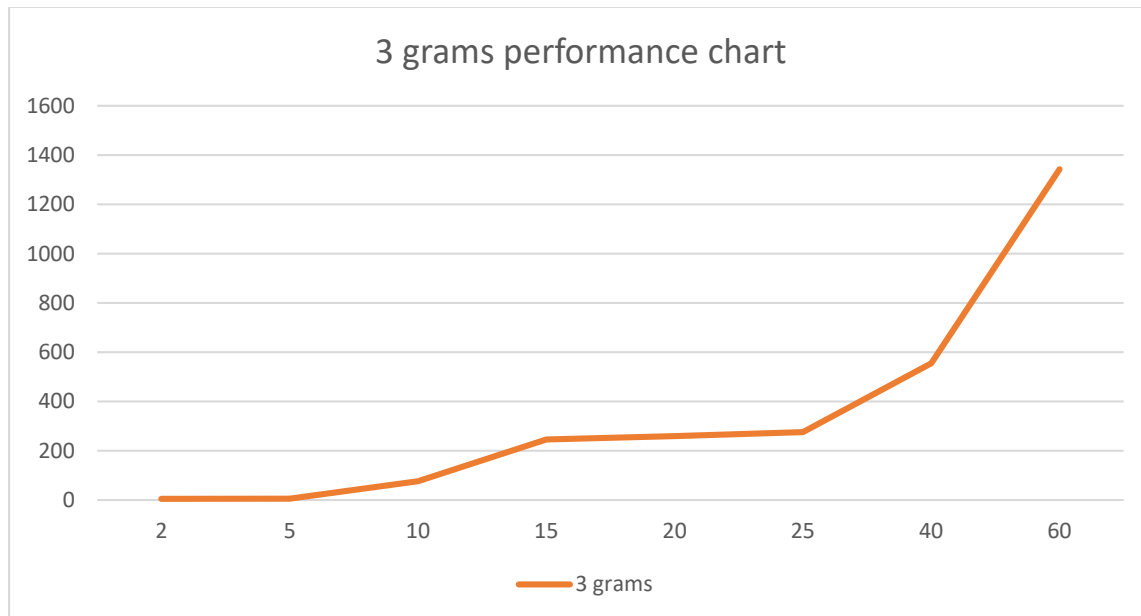
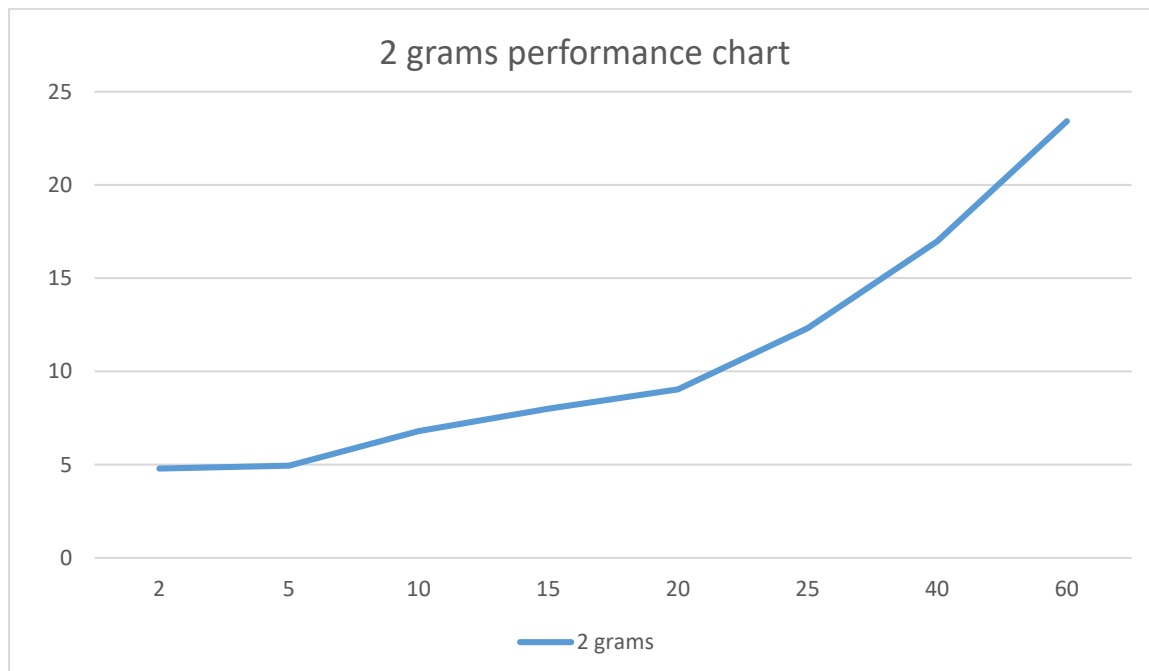


### Output Graphs for 2grams and 3 grams



X axis represent the number of documents processed, Y axis represents time in seconds. As the number of documents increases, the time taken by map-reduce also increases.



X axis represent the number of documents processed, Y axis represents time in seconds. As the number of documents increases, the time taken by map-reduce also increases.