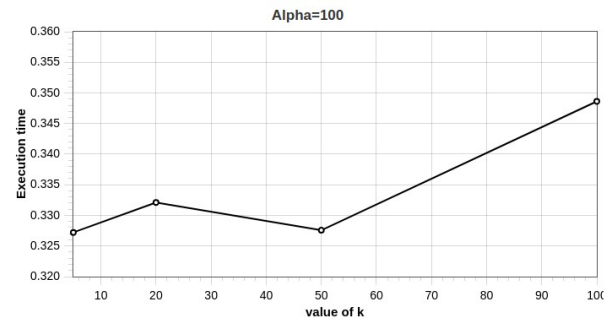
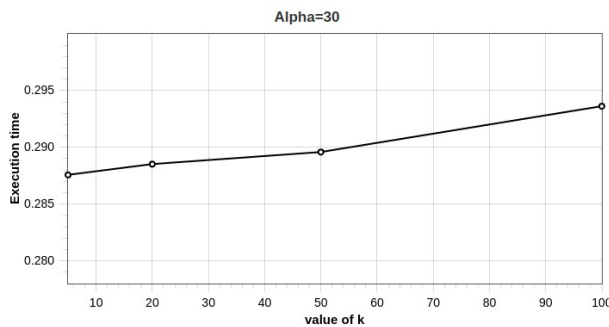


## UGLAB Assignment 2



Dataset used: 30000 records , having integer x,y coordinate values between 0 to 400.

As the value of k increases the execution time mildly increases as the more number of closest points we need to search the wider our search will go in knn query algorithm. The rise in execution time on rising value of alpha can be seen as the increase in time to compare our k chosen points with points in possible region. As increasing alpha will increase the maximum number of points in every possible region.