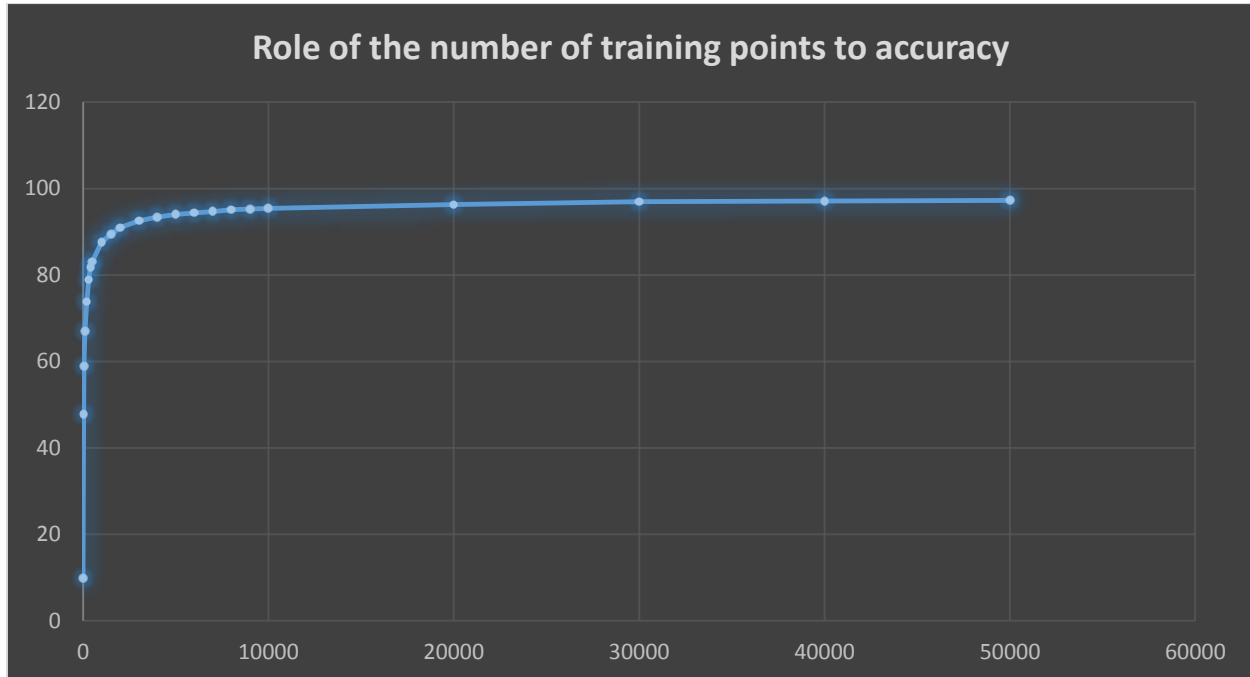


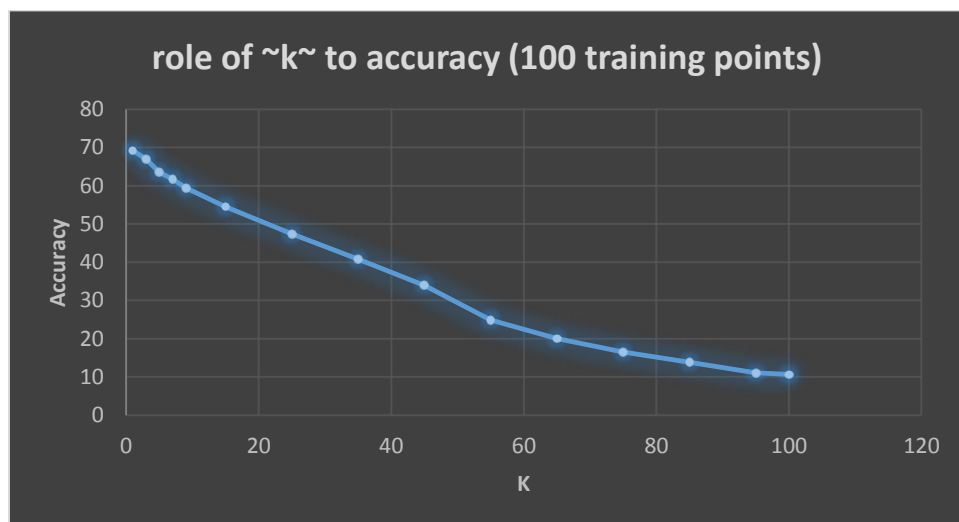
1)

By increasing training points the accuracy will be increased. It will increased very fast in the beginning but by increasing training points to more than 10,000 accuracy will be increased a little. Below you can see the role of the number of training points to accuracy while k was equal to 3:



2)

By increasing k the accuracy will be decreased.



3) After running the program with whole training set (K=3), it seems that 4 get confused with 9 (19 times) (Also 9 get confused with 4 (11 times)). After that 8 get confused with 5 (18 times), 2 get confused with 7 (18 times). Then 5 get confused with 3 (16 times) and 6 (16 times). So **4 and 9** are the numbers that get confused with each other most easily.