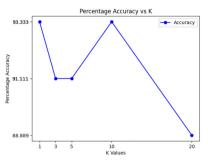
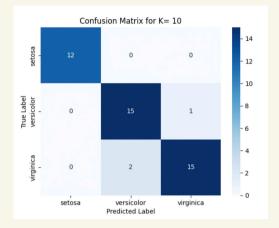
EXPERIMENT 1

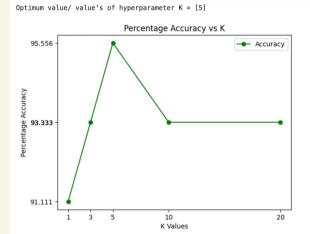
REPORT: EFFECT OF VARYING K IN KNM_NORMAL ON TEST DATA:
Accuracy is coming out to be largest for K= 1 and K=10; when analysed using KNM_Normal
Although, I believe selecting K= 10 will a better option as it is meither too big or nor too small value
Selecting K= 1 just based upon these results can be very risky as it will be very sensitive to noise and
may lead to significan dip in performance of the algorithm in case of some other test samples

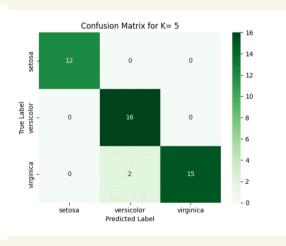
Optimum value/ value's of hyperparameter K = [1, 10]





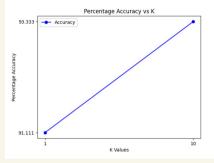
EXPERIMENT 2

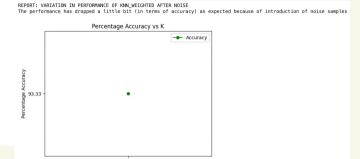




EXPERIMENT 3

REPORT: VARIATION IN PERFORMANCE OF NON_NORMAL AFTER NOISE
As it was expected, after adding noise, the results for k=1 dipped down in accuracy.
This is the drawback of choosing a model that makes decision on the basis of less neighbours
But, the accuracy for k=10 is still entact as it is not sensitive to presence noise samples
as significant number of neighbours are considered before making any decision





EXPERIMENT 4

K Values

