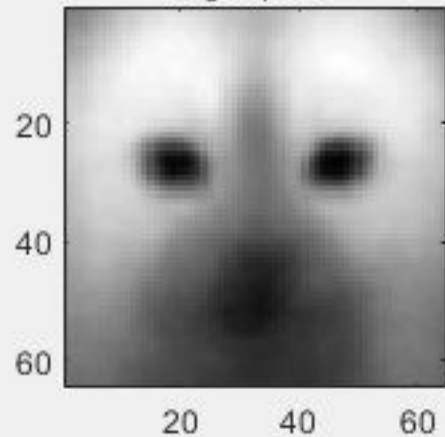
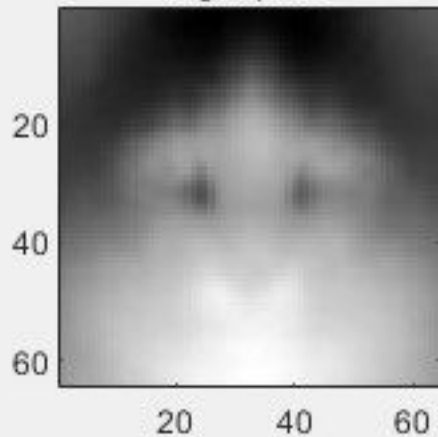


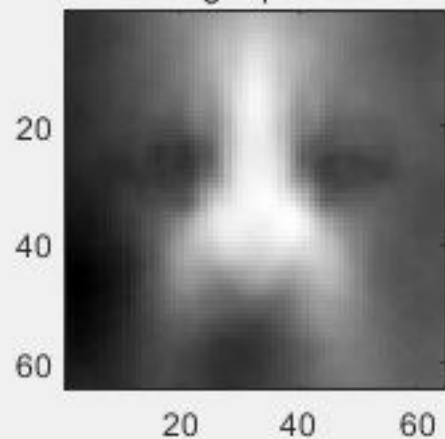
Eigenpet 1



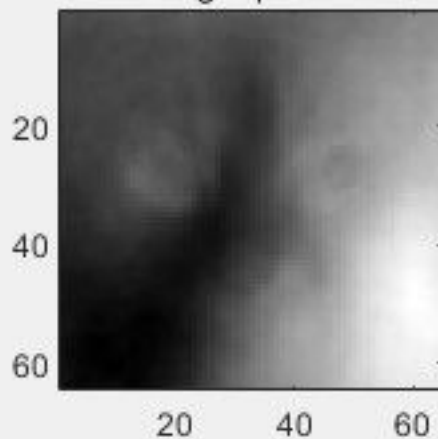
Eigenpet 2



Eigenpet 3



Eigenpet 4



According to the result from running 3.7, the best classifier turned out to be perceptron. The error rate was about 6~9% and it goes lower if I increase the amount of k .

Overall corresponding error rate decreased if I use reduced data which is a better guess than problem 3.4 and 3.5.