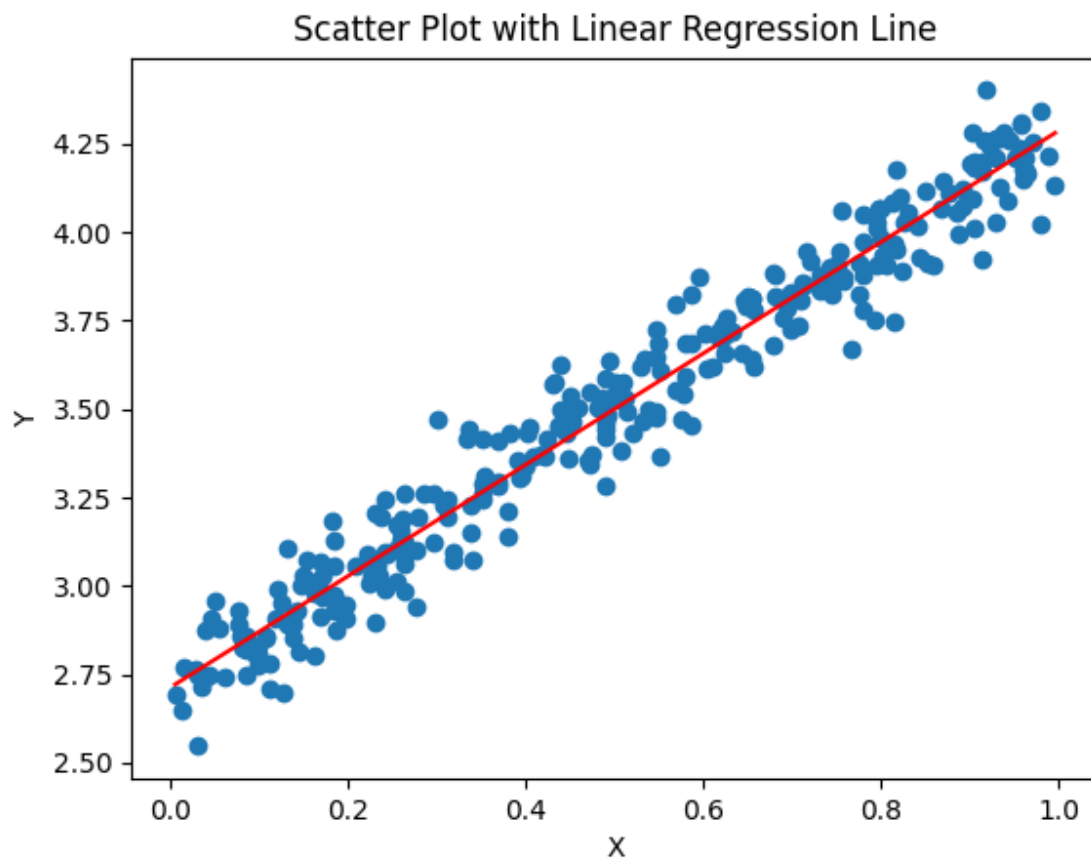
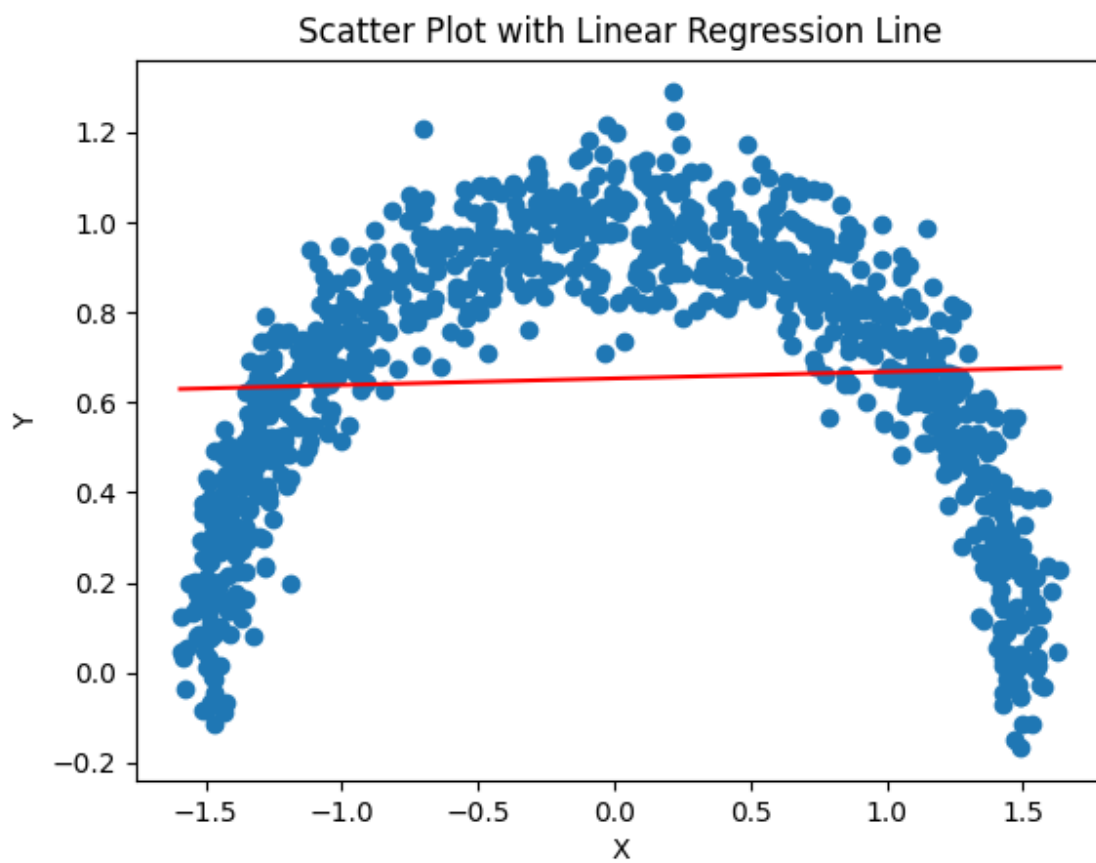


# ASSIGNMENT 2

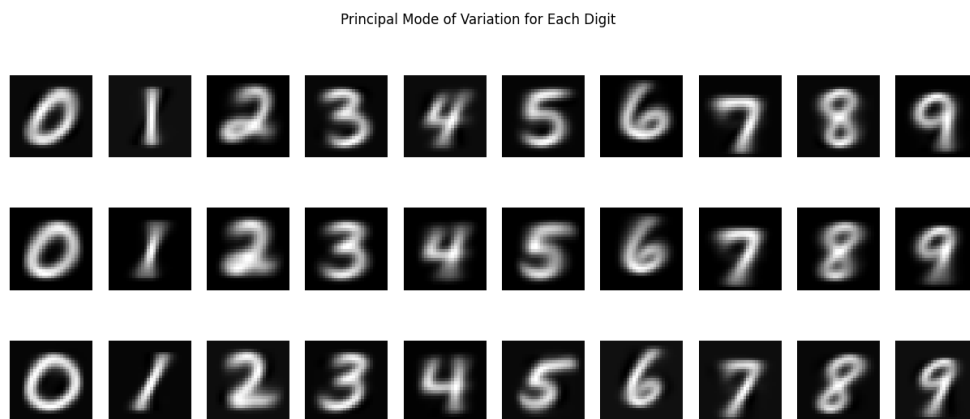
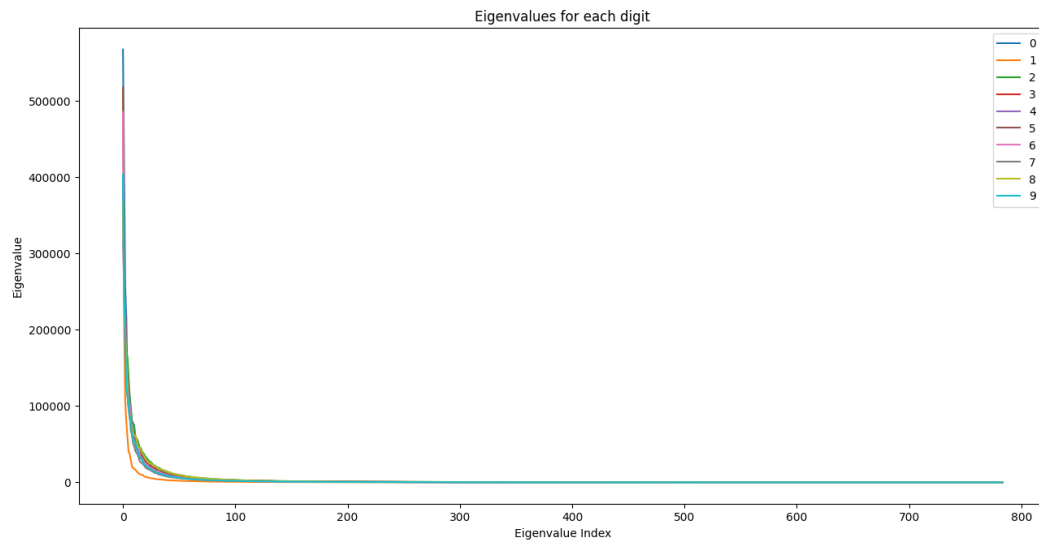
Ans 1:





As we can clearly see, the first data set has a linear correlation with each other and hence its dimensionality can be reduced

Ans2)



I am not very clear about ans 2, since some concepts of mine are not very clear

PS I used ChatGpt here, but I'll try my best to complete the remaining theory and understand the code fully, I used it because I felt that it is essential that I complete the assignment, there was no intention of any malpractice or something.