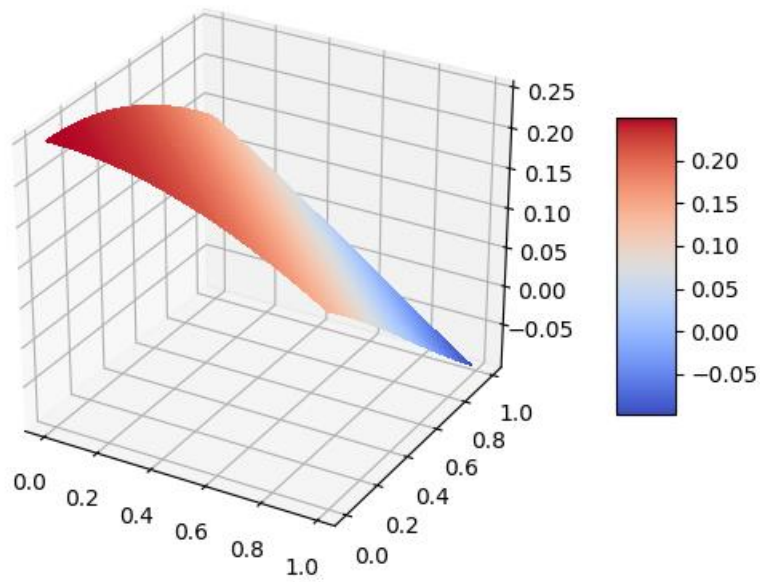
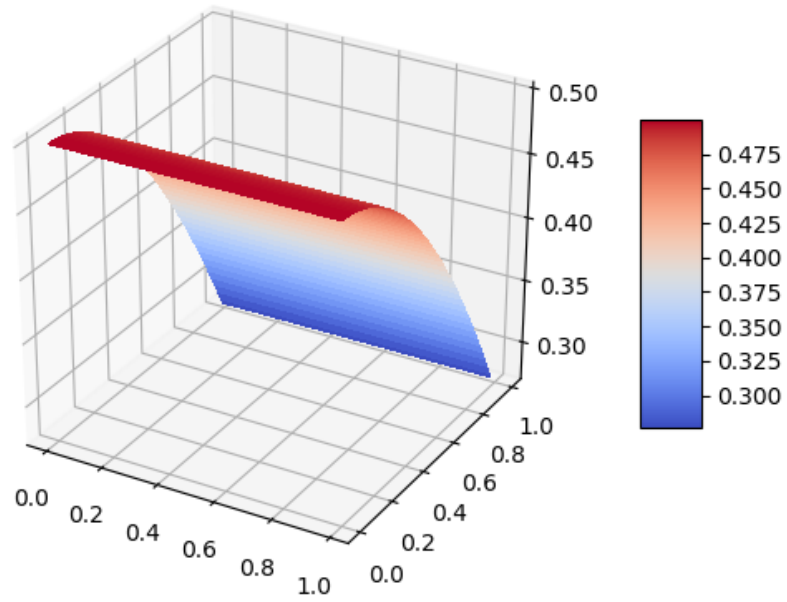
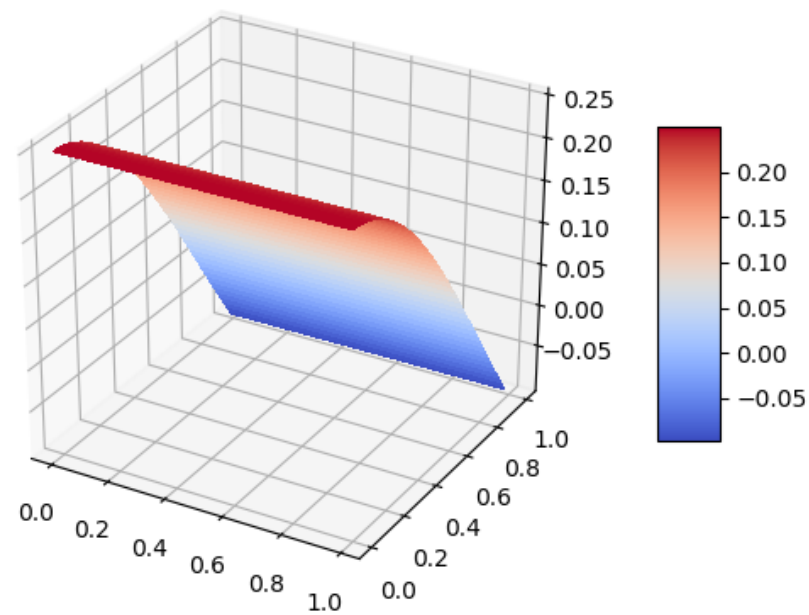
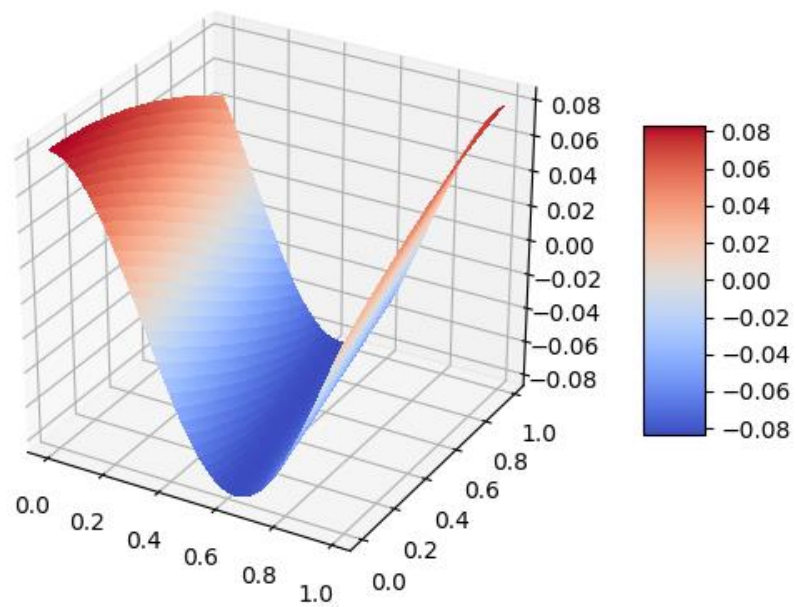
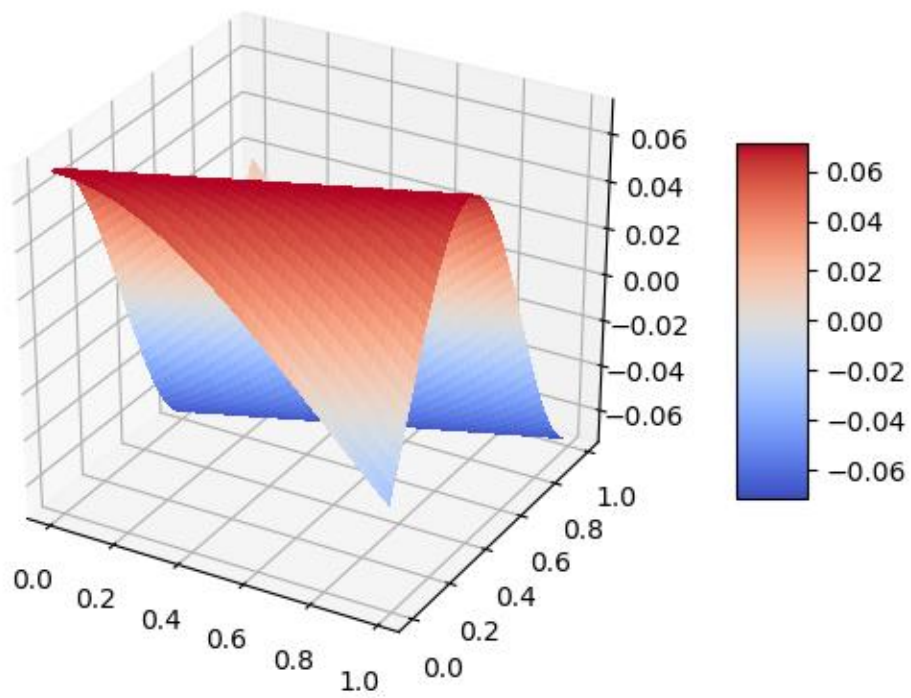


## Problem 2(b)

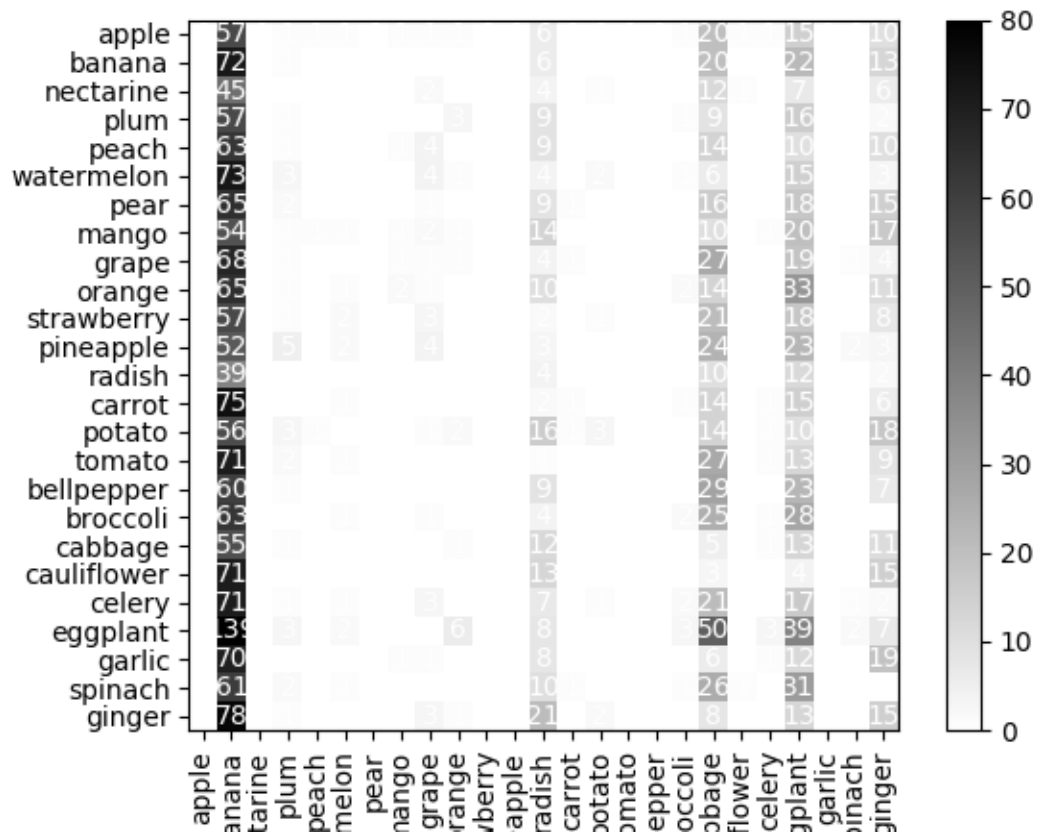






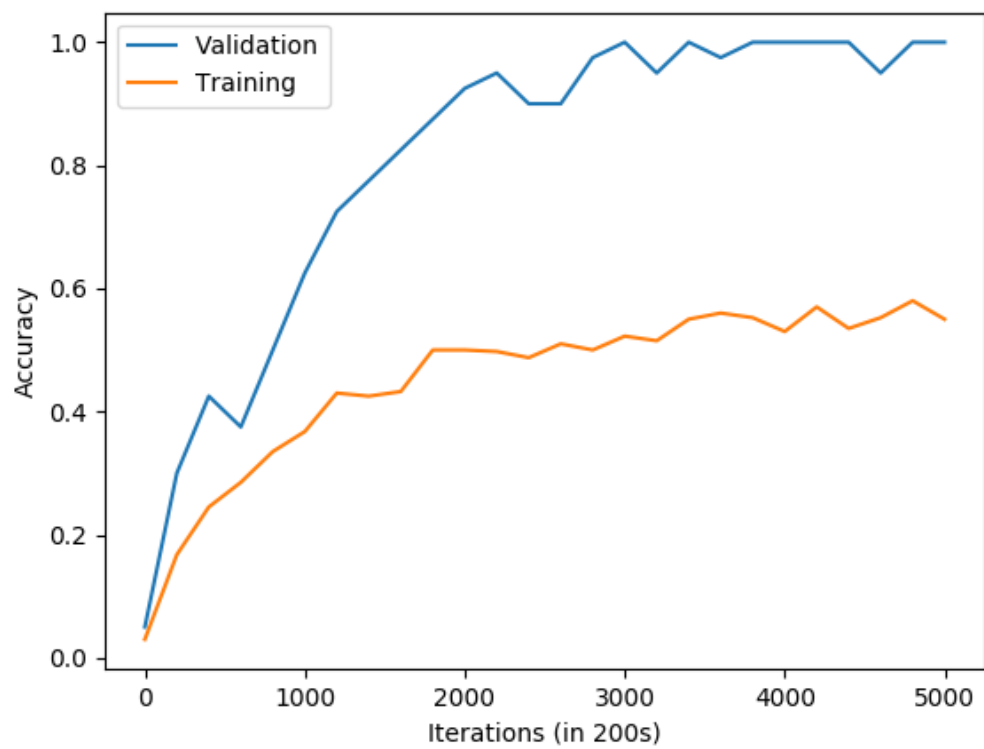
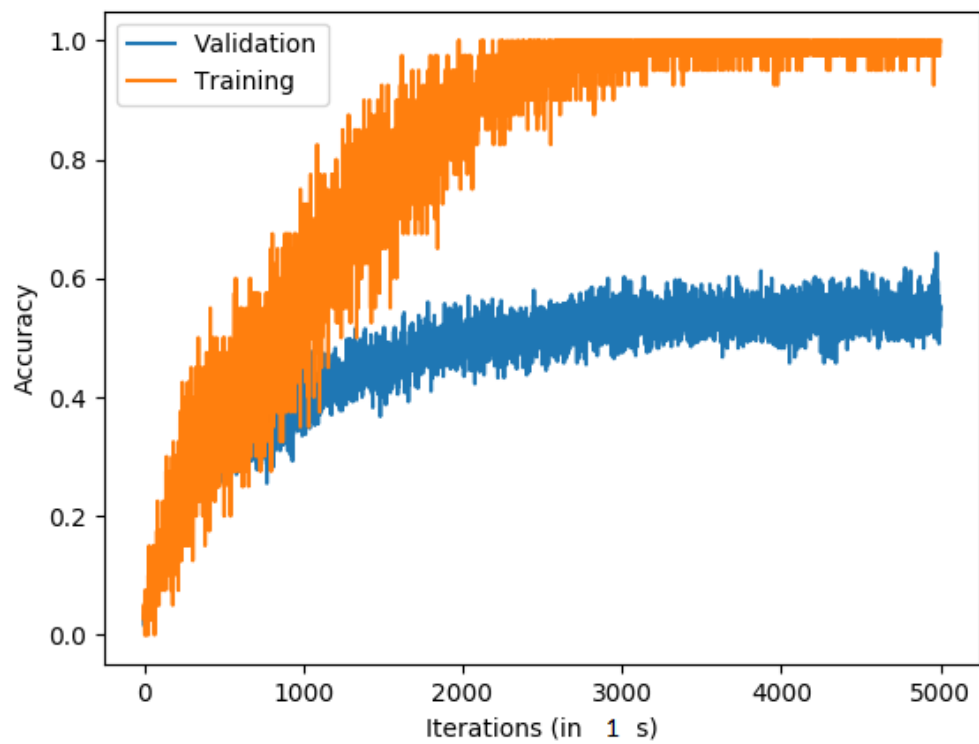
### Problem 3

(a) See code attached



(b) See code attached

(c) See code attached



(d) See code attached

Image 0

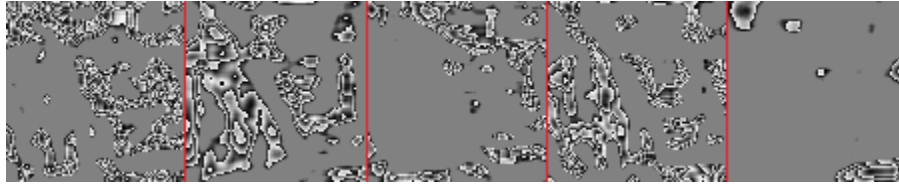


Image 10

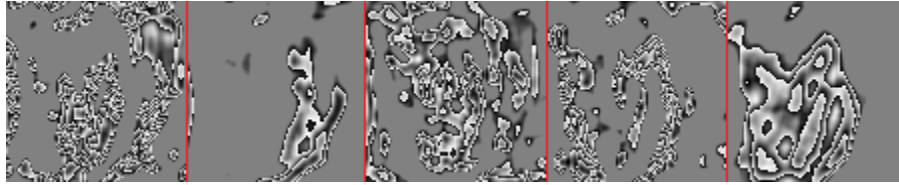
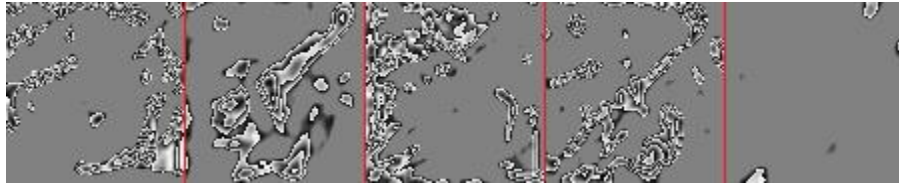
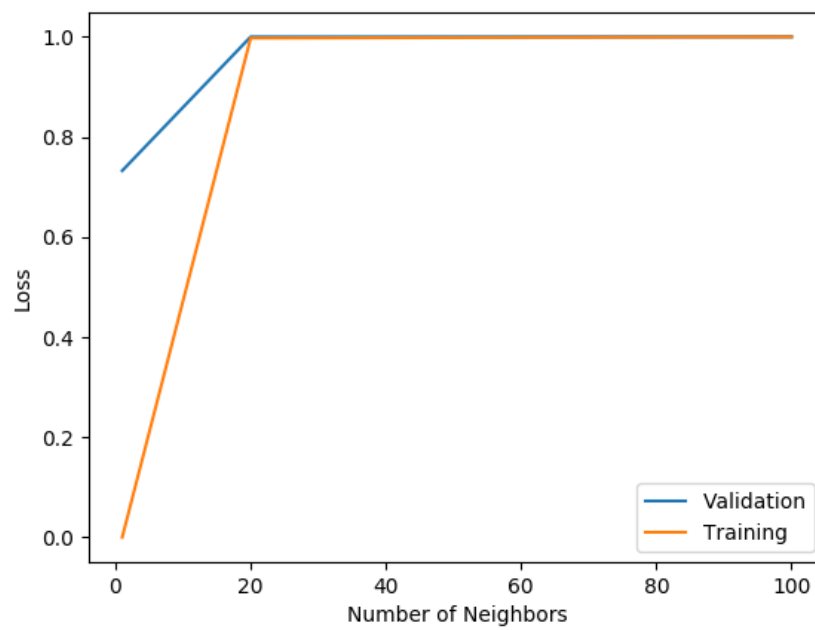


Image 100



(e) See code attached:  
 $K = [1, 20, 100]$



$K = [1, 2, 3, 4, 5]$

