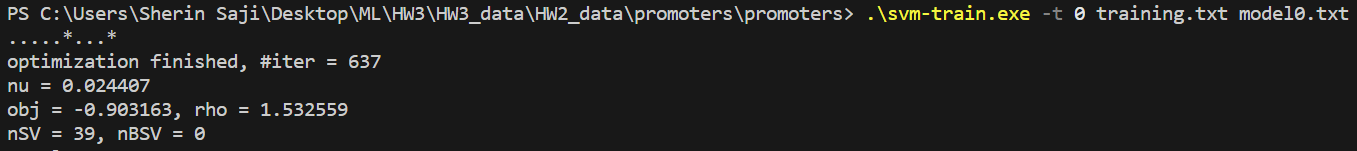
Question 1



A black screen with many colorful text

Description automatically generated

A black background with white text

Description automatically generated

1. For kernel 0, accuracy is 84.375%
2. For kernel 1, accuracy is 81.25%
3. For kernel 2, accuracy is 90.625%
4. For kernel 3, accuracy is 43.75%

Files used for for q1 can be found in HW3\HW3\_data\HW2\_data\promoters\promoters.

Question 3

A graph with blue lines

Description automatically generated

This is my final theta value.

A black background with white numbers

Description automatically generated

In this theta, only position 1,2,3,19 and 20 (1 is the first index) has the five highest magnitudes. So, features x1, x2, x3, x19, x20 are the most important.