CSE330 Section 8 Lab 2 Evaluation

You have been given three separate set of nodes,

1. Set 1: (-0.45, 1.02), (0.39, 1.47), (1.33, 2.02)
2. Set 2: (0.5, 1.24), (-0.39, -1.46)

(a)Find two separate interpolating polynomial equations using the given set of nodes.

(b)Print the degrees and the coefficients of each of the polynomials separately.

(c)Calculate and print the absolute average value of the coefficients for each of the polynomials separately.

(d)Finally use the given values of x to find their corresponding y values for the polynomial with the highest average of coefficients. **[Hint: You can take decision based on the average value of the coefficients]**

Given x value list = [-0.45, 0.51, 1.23, 1.49, 1.67, 2.05, 2.77]

Submission form: https://forms.gle/fjQc3SoKTs89Qsv5A