This is the Introduction file to the ECE5578 Homework 2 Submission, Spring 2020 for Matthew Kayrish. This submission package contains the following files.

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| **This File** | This is the Table of Contents for the submission. |
| **ECE5578\_HW2\_Report.pptx** | This is the final presentation of the results of HW2. |
| **HW2.docx** | The word document of Homework 2. |
| **Lena.png** | This is the PNG file of Lena that is used for this assignment. |
| **runHW2Prob1.m** | This is the MATLAB file for doing Problem 1 of this assignment. It includes many functions that will process and filter the Lena.png image, and then perform binary quantization and arithmetic coding to bitstreams of the image. |
| **runHW2Prob2.m** | This is the MATLAB file for doing Problem 2 of this assignment. It includes a few functions that will convert the Lena.png image into a strictly Black and White image. It then performs similar binary quantization and arithmetic coding to bitstreams of the image for comparison to the results of Problem 1. |