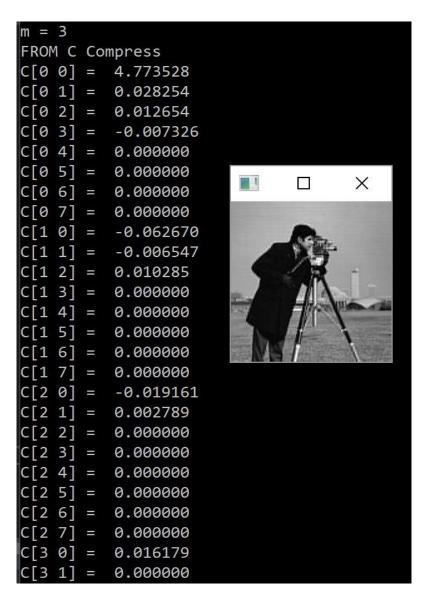
Van Euclid Dy

CS 4600

DCT

Screen shot above is my DCT body for 2-D since 1-D is just a simplified version of this code. The code is essentially what the formula given is in code.

Screen shot above is my IDCT body for 2-D since 1-D is just a simplified version of this code. The code is essentially what the formula given is in code.



Here is an example of compression at m = 11. I've set my spectrum to go as follows, blocksize + blocksize -2 - m. When m = 0 the IDCT returns the original signal.



Here is an example at max compression where m = 14. Notice how the only C is just at 0,0 anything else would just be black.