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This is me:



Source code (also attached here...) can be found at:

https://github.com/amitosw15/intro_into_cv/tree/main

Original photo:

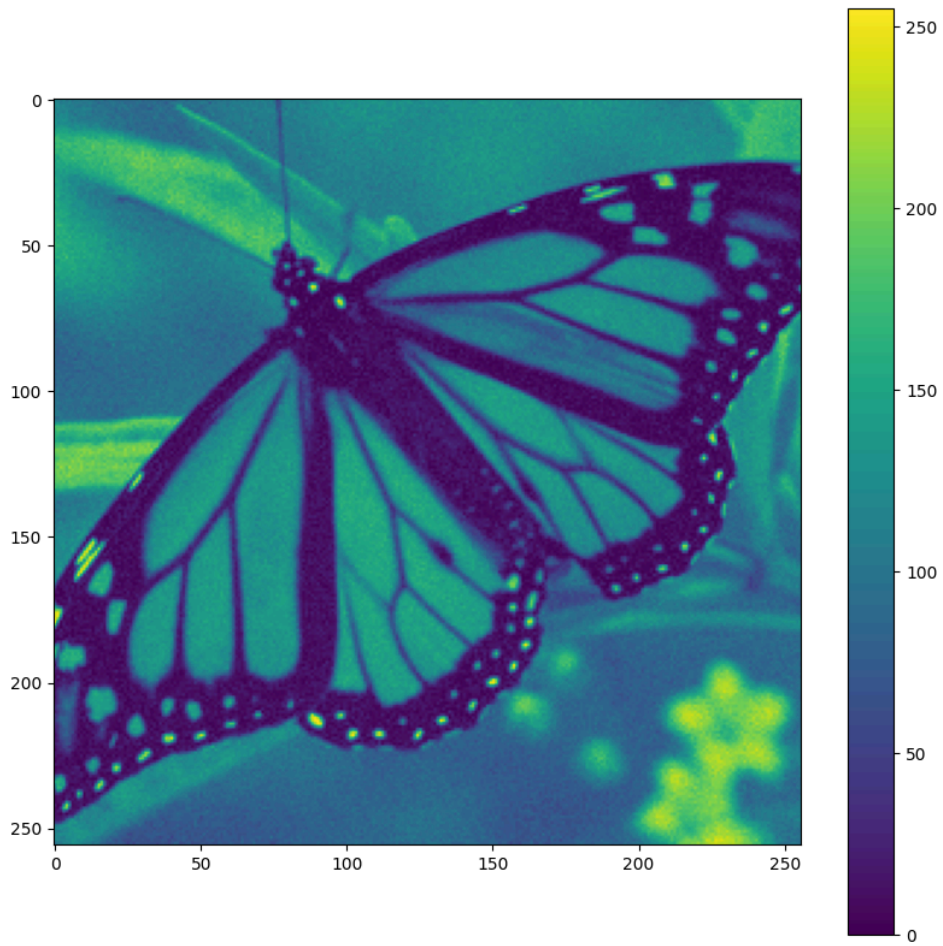
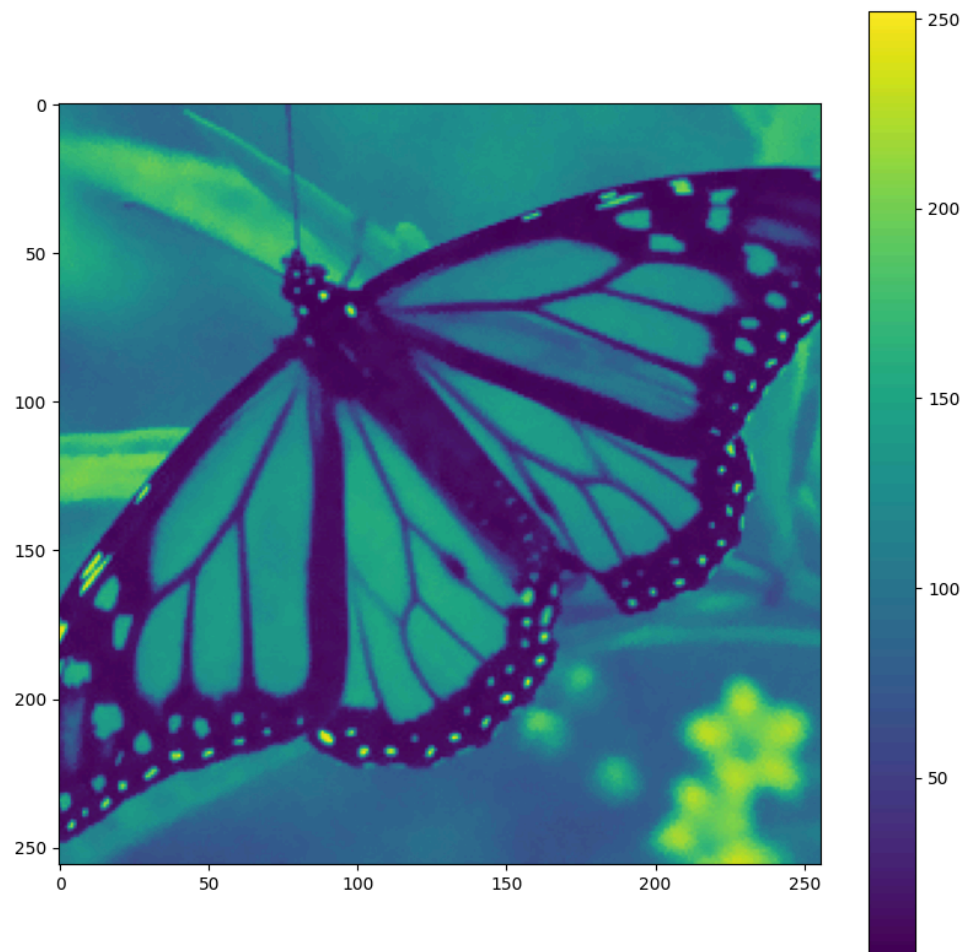
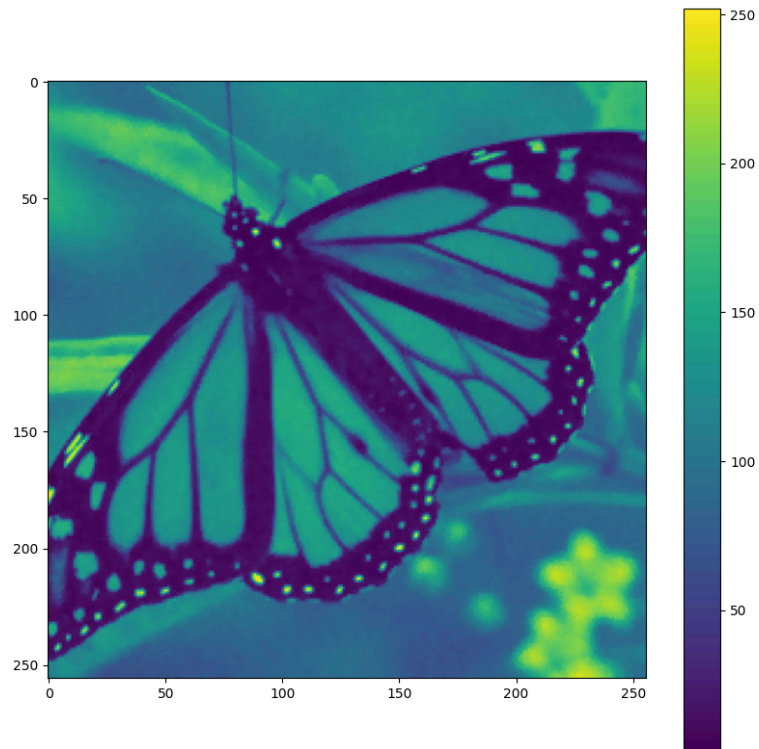


Photo after using the bilateral filter:

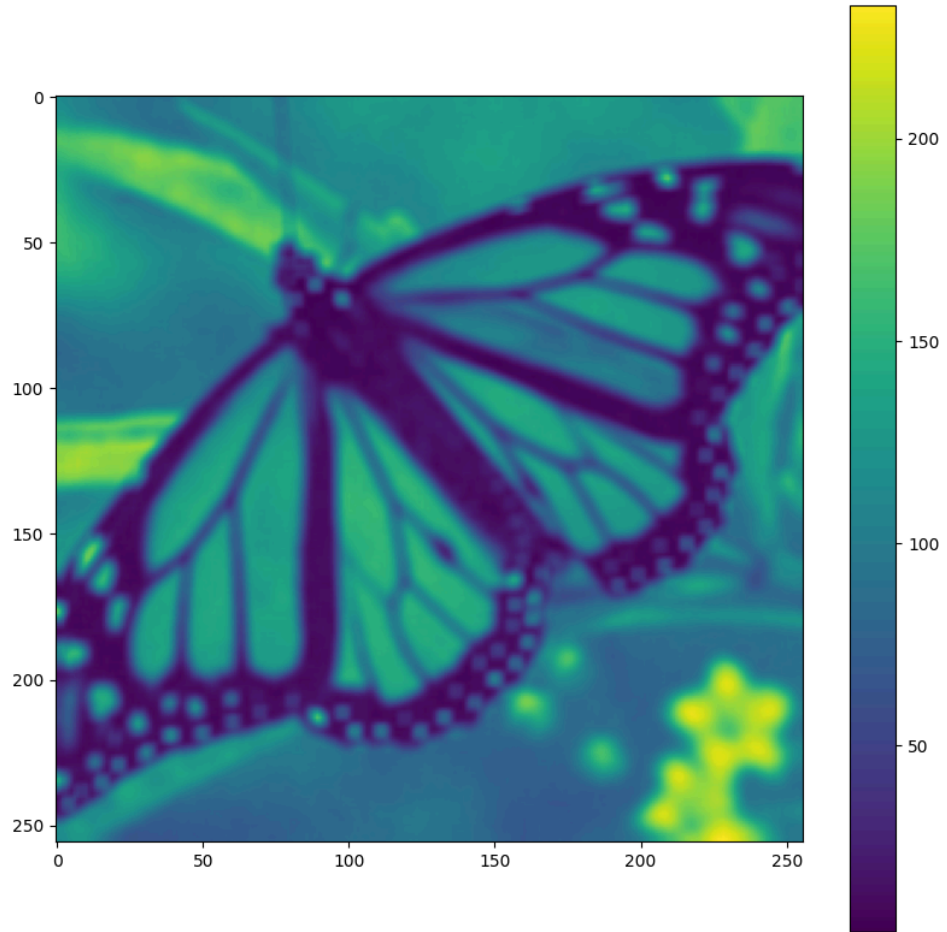
We had to implement the algorithm given in the assignment description. For each pixel in the image, we examine its neighbors (within the image boundaries) and compute the filter values based on the spatial and intensity differences between the pixel and its neighbors. The code follows the formula provided in the assignment descriptions.



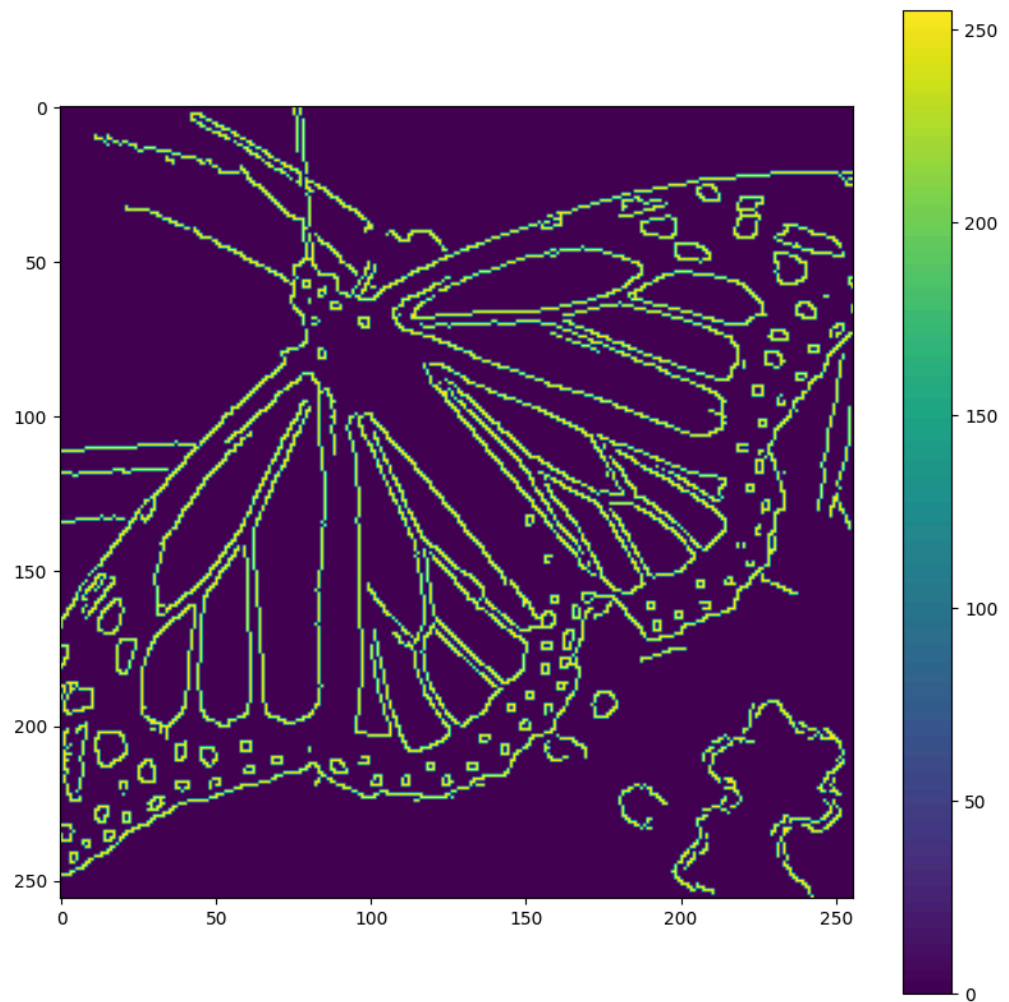
CV2 bilateral filter:



Gaussian filter:



This is the result of Canny algo with my bilateral filte:



This is the result of Canny algo with Guassian filter:

