Assessment 1 Image Processing

by

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Task 1:

Step-1: Load input image

Step-2: Conversion of input image to greyscale

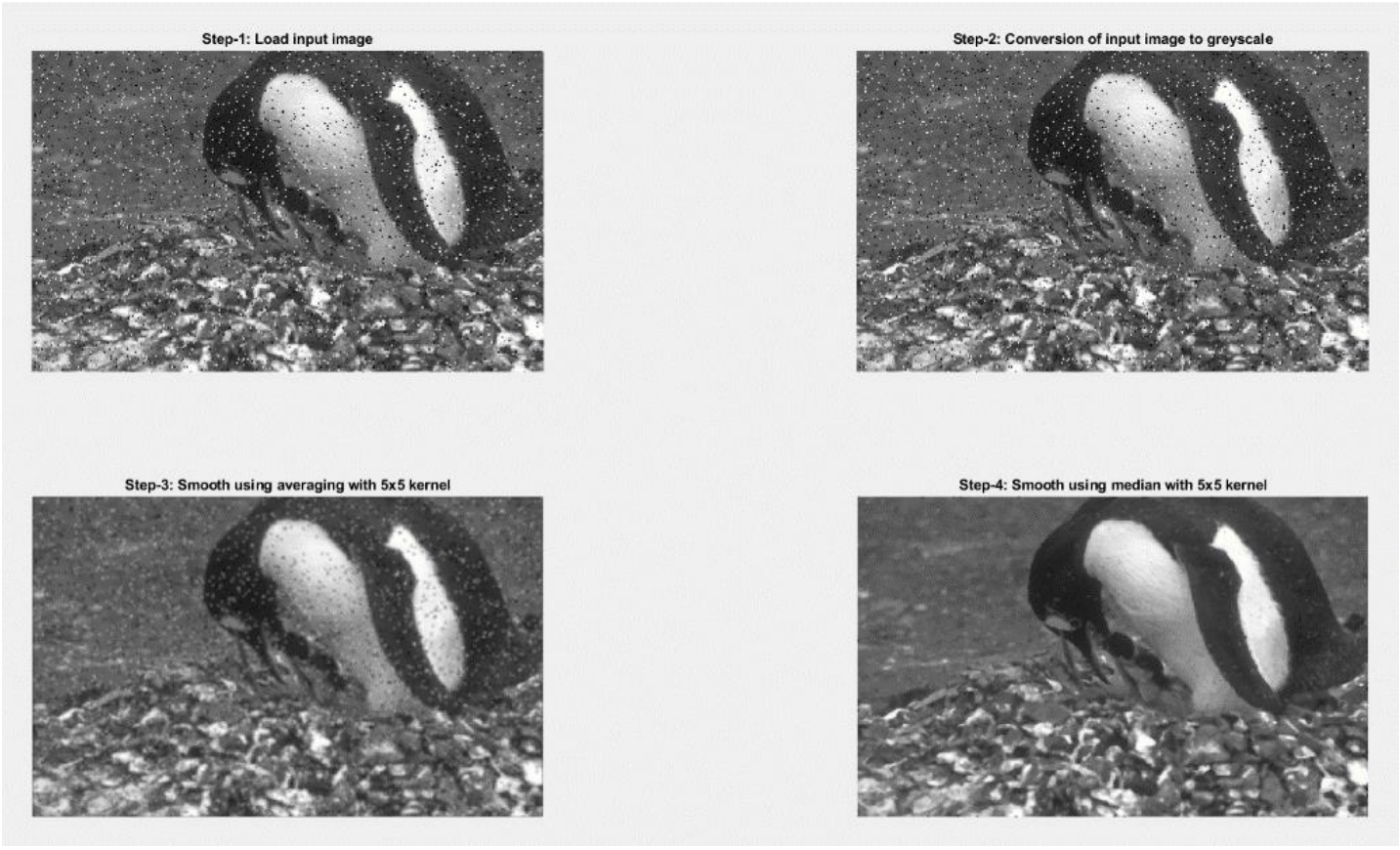
Step-3: Enlarge using Nearest Neighbour

Step-4: Enlarge using Bilinear interpolation

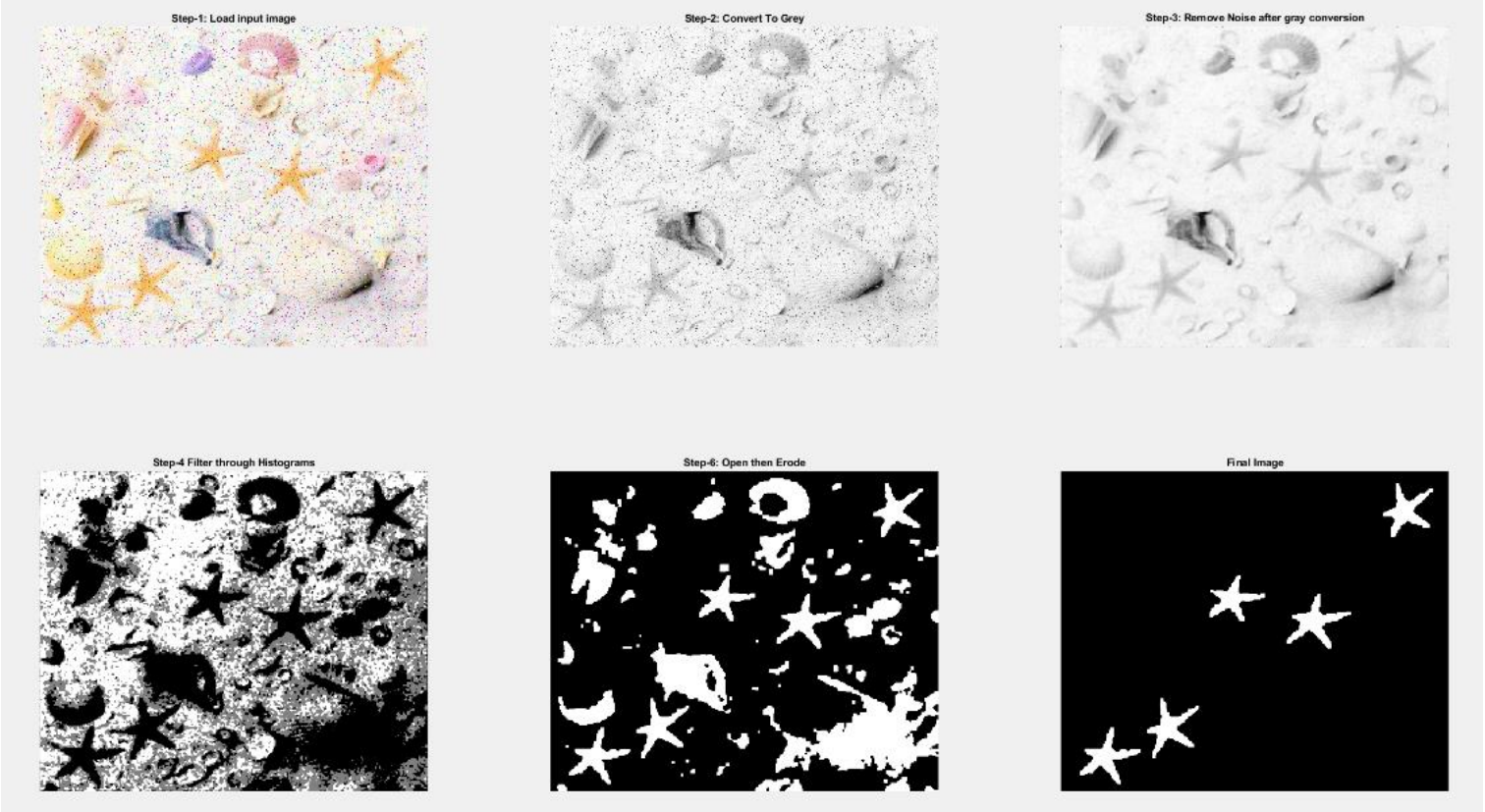
Step-5.1: Zoom in Nearest Neighbour

Step-5.2: Zoom in Bilinear interpolation

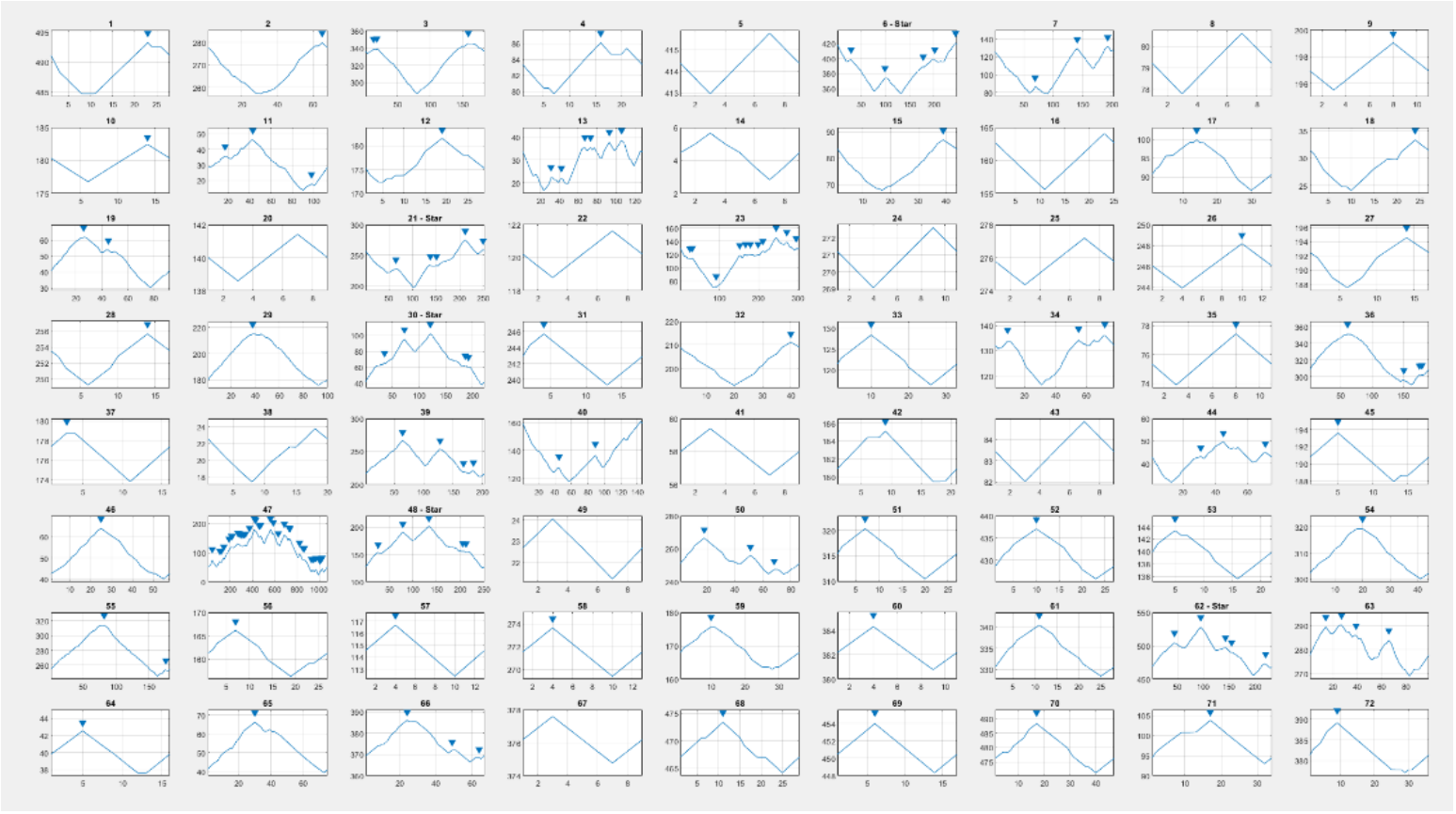
Task 2:


Step-1: Load input image
Step-2: Conversion of input image to greyscale
Step-3: Smooth using averaging with 5x5 kernel
Step-4: Smooth using median with 5x5 kernel

Task 3:


Step-1: Load input image
Step-2: Convert To Grey
Step-3: Remove Noise after gray conversion
Step-4 Filter through Histograms
Step-6: Open then Erode
Final Image

Task 4: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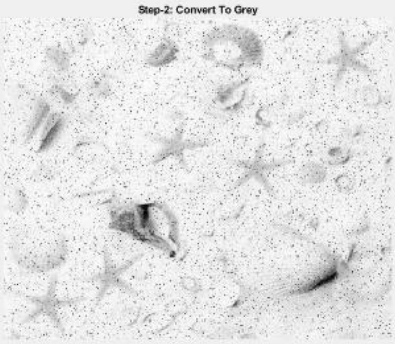
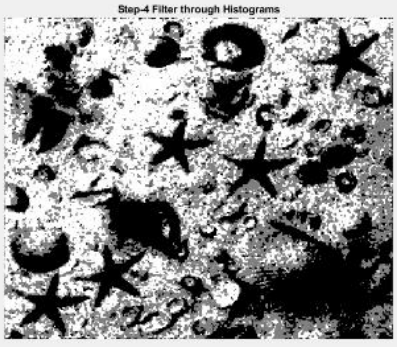
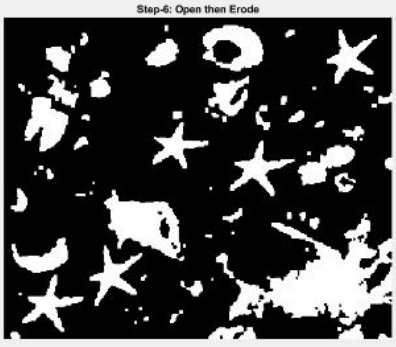
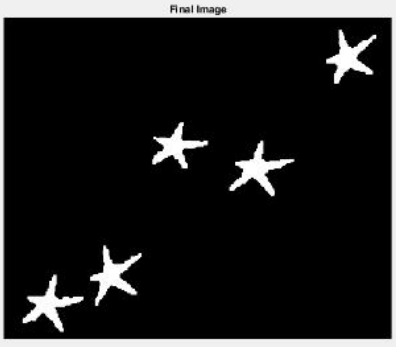
Step-1: Load input image


Step-2: Convert To Grey


Step-3: Remove Noise after gray conversion


Step-4 Filter through Histograms


Step-6: Open then Erode


Final Image