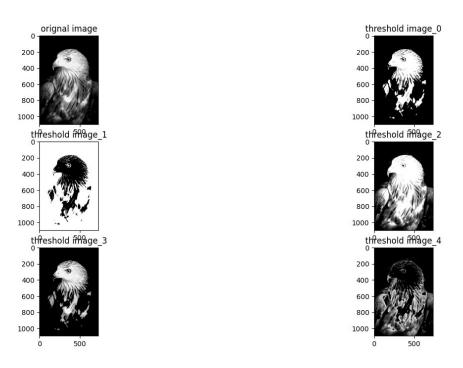
EXPT 6: Thresholding and K-means Clustering

Thresholding (0-4) Program:

Output:



K-Means Clustering Program:

```
k=20
retval, labels, centers=cv2.kmeans(pixel_vals, k, None, criteria, 10, cv2.KMEANS_RANDOM_CENTERS)
centers=np.uint8(centers)
segmented_data=centers[labels.flatten()]
segmented_image=segmented_data.reshape((abc.shape))
plt.subplot(3,2,4)
plt.title('k=20')
plt.tinshow(segmented_image)
plt.show()
```

Output:

