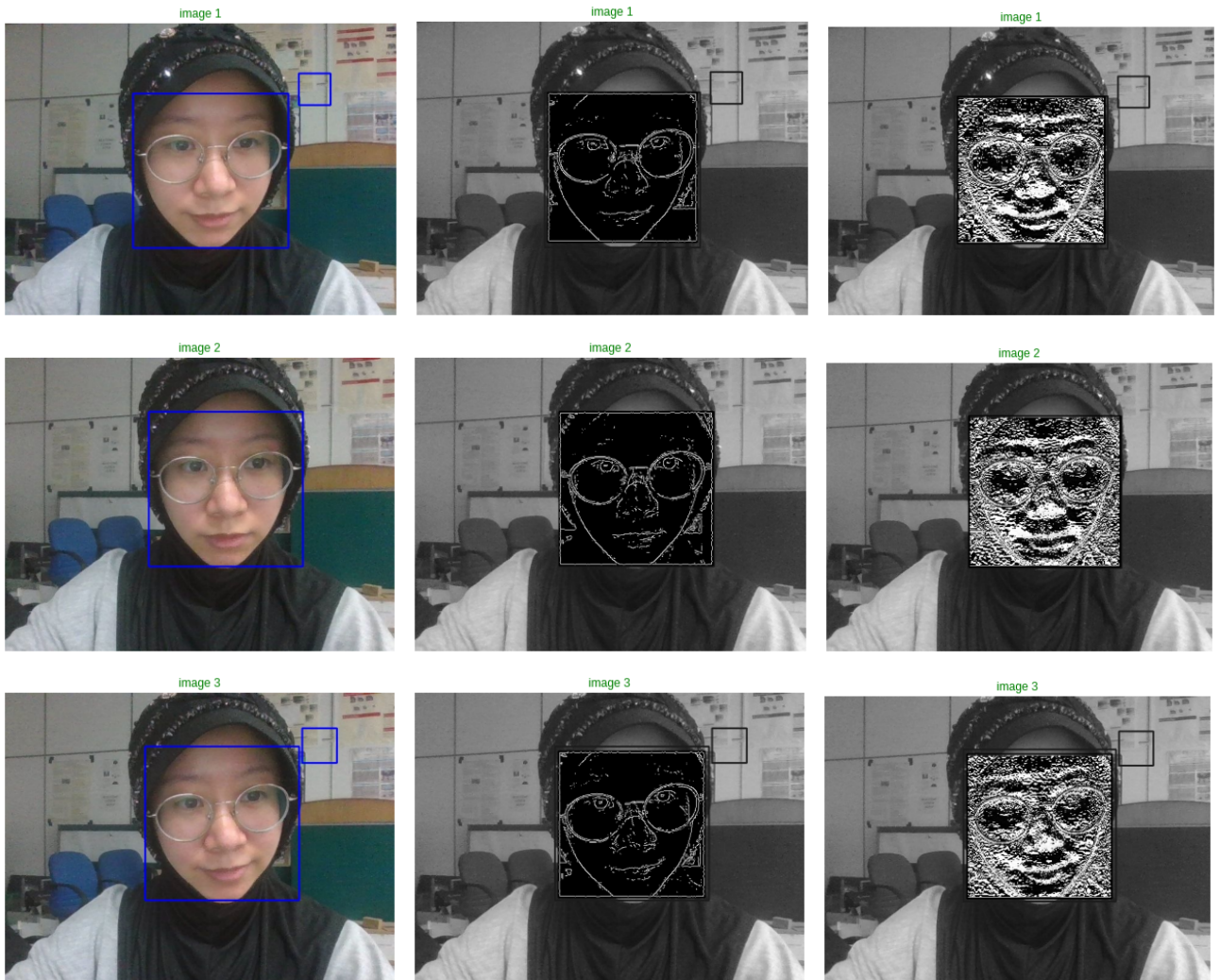


MCTE 4323 Assignment 1
Zhao Yaqi 1739844

Answer Script

A. Apply Canny Edge Detection and Sobel Edge Detection to only the face area



B. Perform blurring of only faces in those images

image 1

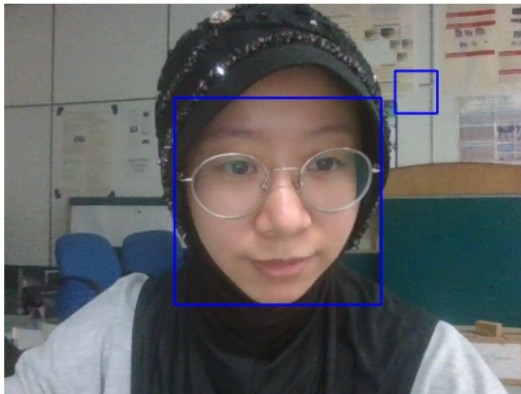


image 1



image 2

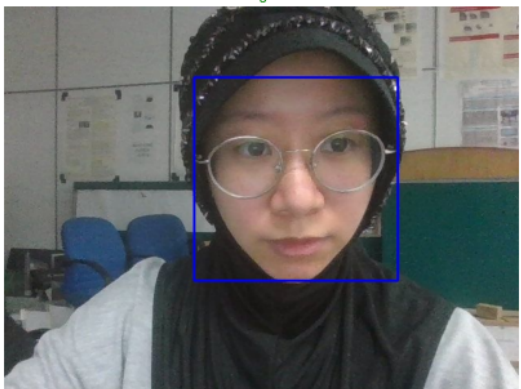


image 2



image 3

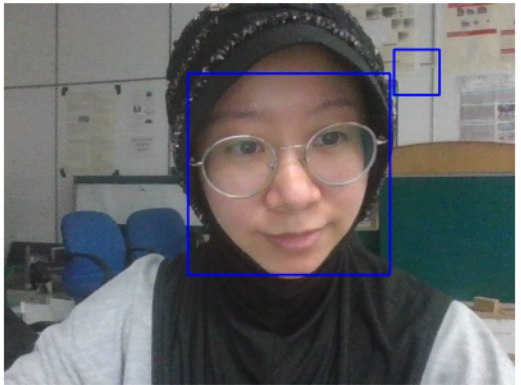


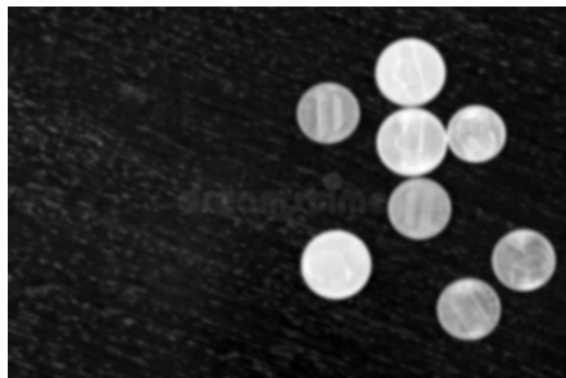
image 3



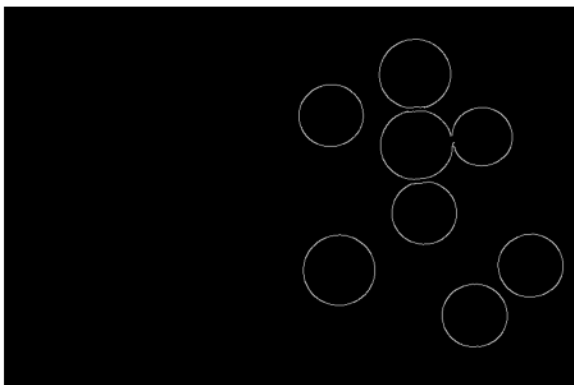
C. Calculating the number of coins in an image using contours



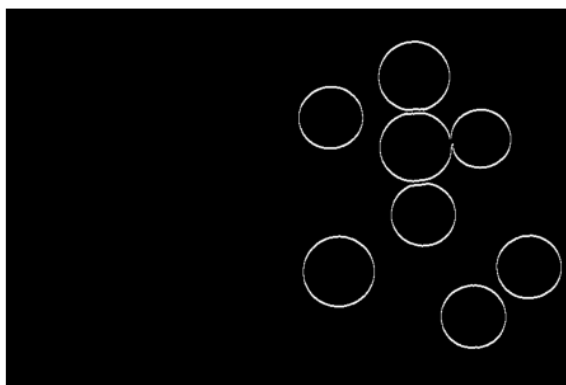
Grayscale



Gaussian filter



Canny edge detection



Dilation



Draw contours and count number of object

```
coins in the image : 8
```