Hello Dear Teacher , we prepared our homework as a group.

Group members;

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What we could not do and what we could do in Part 1;

- We were already able to call circle 1.jpg file with ImageIO in our ReadImage method. In our TabOne Class, we called our original image by making fillRect.

- For GrayscaleImage, We have increased the rows and columns of Buffered img, which we created using the math library, by 1 each in the loops and removed it from the previous state (we burned this process by trial and error method), then we turned the color to gray by adding +120 and separated each color as r, g, b. Then we made the given image gray by doing setRGB.

- Binary Image to explain ,We did it based on what we learned from the previous homework.

- For the Scaled image, we tried to try something by simply changing the height and width settings. We couldn't do anything else. We did it with the "Graphics 2D" library but we thought you would not accept it, we deleted it.

- For HOG, we tried to create a graphic, we got an image, but our graphic is in an infinite loop. I think the magnitudes we added to the arraylist cause a problem, we could not discover the problem, but we think our logic is correct.

- In XYEdge, all corners are rgb as we use rgb as we did in grayscale. We just couldn't create a white image(in the corners of the circle it is rgb color). We are sure about X and Y, our code has worked successfully. X and Y directions look exactly the way you want.

- Our program contains a few bugs, we have to turn it on and off again for each imageprocces operation because the images get stuck and I think we made a mistake in the height width sections. The image appears near the bottom.

What we could not do and what we could do in Part 2;

- We found all transactions in 2011 and sorted them by values.

- We have listed all unique cities where customers live.

- We found all the customers in Istanbul and sorted them by name.

- We returned a string of all customers' names, sorted alphabetically.

- We printed no customers from Ankara because we did not add any customers living in Ankara to the arraylist.

- We printed the values of all transactions from customers living in Istanbul.

- We printed the highest value of all transactions.

- We printed the minimum value of all transactions.

- We printed transactions that are less than 10.

*We believe we have completed all the required task given in part 2.However there might be some mistakes in using some of the sorting required.