1. Using any edge detection (Kirsch compass kernels or Marr-Hildreth algorithm or Canny edge detection) and Hough transform identify the coin boundaries in the image '\Data\coins.png'.
2. In the triaging of COVID19, lung ultrasound is being widely used. One of the significant landmarks in lung ultrasound is the pleura (a fine layer which separates the muscle from the lung). A set of 20 images (in '\Data\Images') and the manually segmented pleura (in '\Data\Pleura') are provided. Based on the different edge detection and segmentation algorithms discussed in the course, it is envisaged to come up with an automated pleura segmentation algorithm. The final performance of the algorithm will be compared in terms of the DICE loss between the estimated segmentation map and the ground truth. A sample case of original image (left) and segmented ground truth (right) is given below.
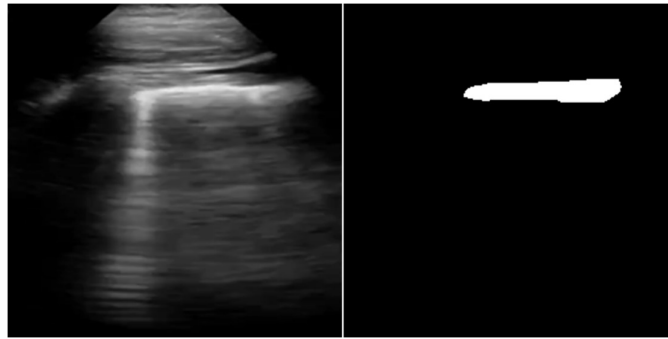
Please follow the below guidelines while submitting the assignment:

- Copy all your files into a single folder and name the folder with your Roll Number. Zip the folder and upload the same.
- Codes may be evaluated using an automation tool and counter checked for correctness. Hence it is important to follow the conventions correctly.