Online – 3
Set - A

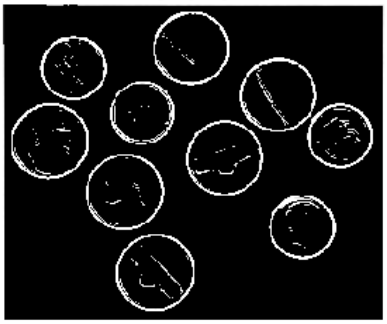
1. Write a program to detect the horizontal lines for the image named “lines.png”.
2. Apply Sobel Filter to detect the edge for the image named “coins.jpg”. (assume Threshold = 0.8)
3. Use subplot for showing the output like the following.

Fig A: Input Image (Lines)

Fig B: Output Image (Horizontal Lines)

Fig C: Input Image (Coins)

Fig D: Output Image (Edge Detected Coins)



Online – 3
Set - B

1. Write a program to detect the vertical lines for the image named “lines.png”.
2. Apply Sobel Filter to detect the edge for the image named “coins.jpg”. (assume Threshold = 0.7)
3. Use subplot for showing the output like the following.

Fig A: Input Image (Lines)

Fig B: Output Image (Vertical Lines)

Fig C: Input Image (Coins)

Fig D: Output Image (Edge Detected Coins)