boundary extraction

In [ ]:
```
import cv2
import numpy as np
import matplotlib.pyplot as plt
```

In [7]:
```
binary_image=cv2.imread(r'D:\computer vision\Computer Vision\pg2025cv\CoverImages\gg.png
```

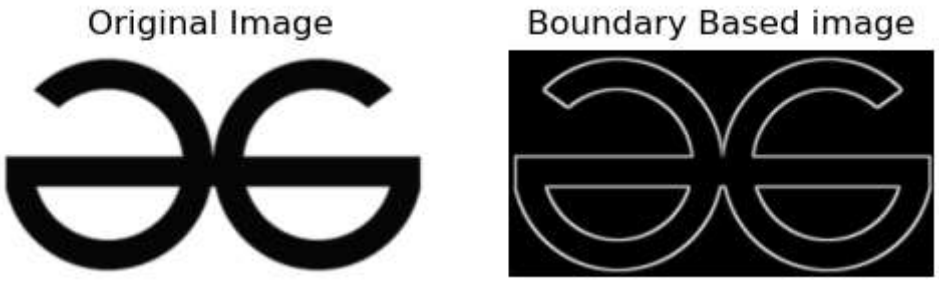
In [8]:
```
kernel=np.ones((3,3),np.uint8)
```

In [9]:
```
dilated=cv2.dilate(binary_image,kernel,iterations=1)
eroded=cv2.erode(binary_image,kernel,iterations=1)
```

In [10]:
```
boundary=dilated-eroded
```

In [13]:
```
plt.figure(figsize=(6,5))
plt.subplot(121)
plt.axis('off')
plt.title('Original Image')
plt.imshow(binary_image,cmap='gray')

plt.subplot(122)
plt.axis('off')
plt.title('Boundary Based image')
plt.imshow(boundary,cmap='gray')
plt.show()
```



In [ ]:
```

```