In [6]:
```
import numpy as np
import cv2
import matplotlib.pyplot as plt
```

In [7]:
```
img1=np.zeros((100,500),dtype='uint8')
font=cv2.FONT_HERSHEY_COMPLEX_SMALL

# Create the text using cv2.putText
cv2.putText(img1,'NITHEESH' ,(5,70),font,4,(255),2,cv2.LINE_AA)
```

Out[7]:
```
array([[0, 0, 0, ..., 0, 0, 0],
       [0, 0, 0, ..., 0, 0, 0],
       [0, 0, 0, ..., 0, 0, 0],
       ...,
       [0, 0, 0, ..., 0, 0, 0],
       [0, 0, 0, ..., 0, 0, 0],
       [0, 0, 0, ..., 0, 0, 0]], dtype=uint8)
```

In [8]:
```
kernel1=cv2.getStructuringElement(cv2.MORPH_CROSS,(5,5))
```

In [9]:
```
img_dilate=cv2.dilate(img1,kernel1)
img_erode=cv2.erode(img1,kernel1)
```

In [10]:
```
plt.figure(figsize=(12, 5))
plt.subplot(1,3,1)
plt.imshow(img1,cmap='gray')
plt.subplot(1,3,2)
plt.imshow(img_dilate,cmap='gray')
plt.subplot(1,3,3)
plt.imshow(img_erode,cmap='gray')
```

Out[10]:
```
<matplotlib.image.AxesImage at 0x17aca8e64d0>
```

In [ ]: