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

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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)
```

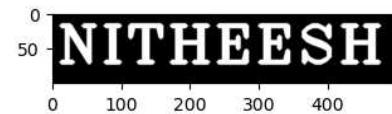
```
Out[7]: array([[0, 0, 0, ..., 0, 0, 0],
 [0, 0, 0, ..., 0, 0, 0],
 [0, 0, 0, ..., 0, 0, 0],
 ...,
 [0, 0, 0, ..., 0, 0, 0],
 [0, 0, 0, ..., 0, 0, 0],
 [0, 0, 0, ..., 0, 0, 0]], dtype=uint8)
```

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

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

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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>
```



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In [ ]:
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