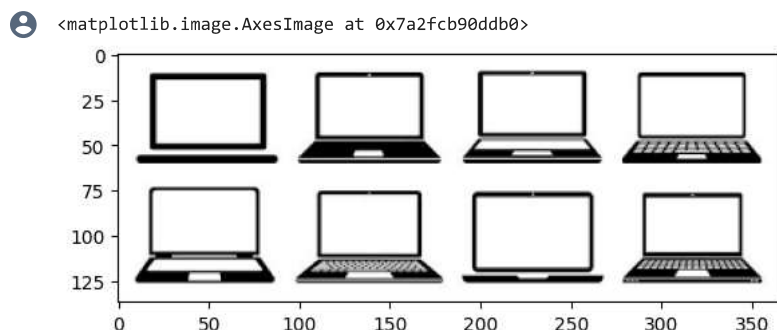
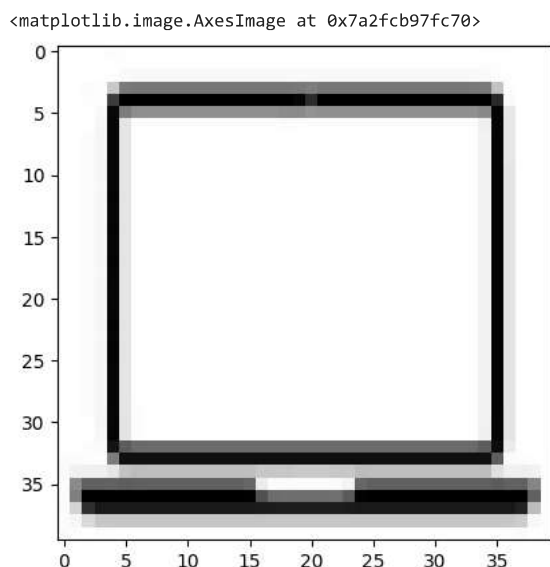


```
import numpy as np
import matplotlib.pyplot as plt
import cv2
%matplotlib inline
```

```
img=cv2.imread('/content/laptop.jpg')
img=cv2.cvtColor(img,cv2.COLOR_BGR2RGB)
plt.imshow(img)
```



```
img1=cv2.imread('/content/temp.png')
img1=cv2.cvtColor(img1,cv2.COLOR_BGR2RGB)
img1=cv2.resize(img1,(40,40))
plt.imshow(img1)
```



```
result=cv2.matchTemplate(img,img1,cv2.TM_CCOEFF_NORMED)
```

```
threshold=0.5
# define a threshold
# find locations where the result is above the threshold
locations=np.where(result>=threshold)
locations

(array([ 8, 13, 13, 14, 14, 14, 14, 74, 74, 74, 74, 74, 74, 74, 74, 74,
       74, 74, 74, 74, 74, 74, 74, 74, 75, 75, 76, 76, 77, 77, 78, 78, 78,
       79, 87])),
array([223, 284, 311, 105, 106, 132, 133, 286, 287, 292, 293, 294, 295,
       296, 297, 298, 299, 300, 301, 302, 303, 304, 308, 309, 310, 287,
       309, 14, 42, 14, 42, 107, 131, 132, 107, 226]))
```

```
for loc in zip(*locations[::-1]):
    cv2.rectangle(img,loc,(loc[0]+img1.shape[1],loc[1]+img1.shape[0]),(0,255,0),2)
```

```
plt.imshow(img)
```

