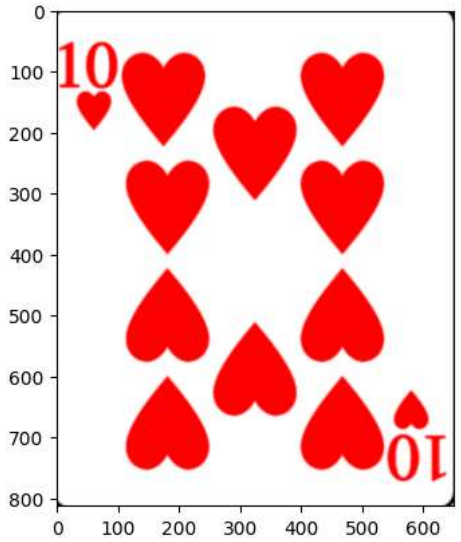
MULTIPLE LOCATION MATCH

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

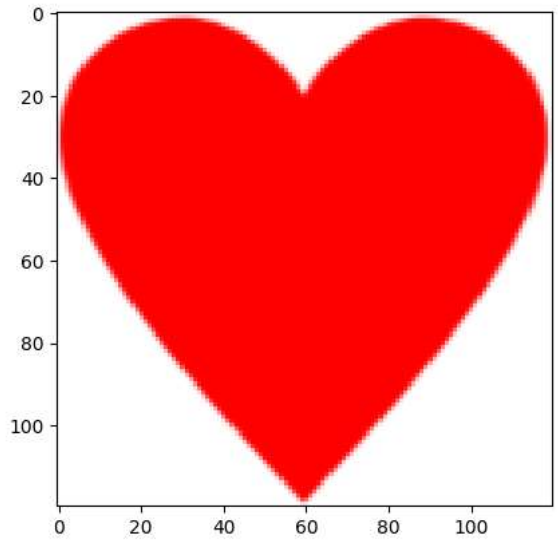
```
img=cv2.imread('/content/image.png')
img=cv2.cvtColor(img,cv2.COLOR_BGR2RGB)
plt.imshow(img)
```

```
<matplotlib.image.AxesImage at 0x7962e3fbfb50>
```




```
img1=cv2.imread('/content/template.png')
img1=cv2.cvtColor(img1,cv2.COLOR_BGR2RGB)
img1=cv2.resize(img1,(120,120))
plt.imshow(img1)
```

```
<matplotlib.image.AxesImage at 0x7962e3e3ff10>
```




```
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([ 67,  67,  67, ..., 682, 682, 682]),
 array([109, 110, 111, ..., 419, 420, 421]))
```

```
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)
```

```
<matplotlib.image.AxesImage at 0x7962e3eaf460>
```