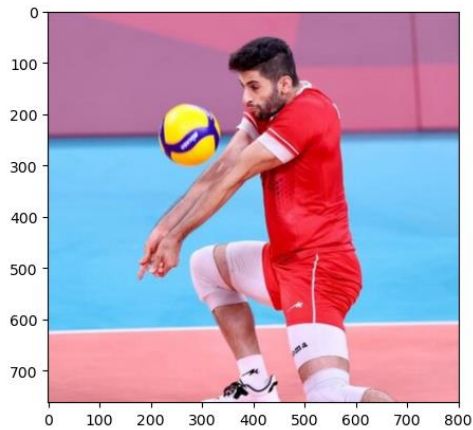


استاد: دکتر اسلامی
دانشجو: سورنا لطفی ارجمند
” تمرین اول “

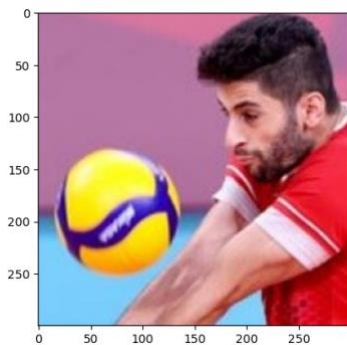
```
import cv2
import numpy as np
import matplotlib.pyplot as plt

image = cv2.imread('images/volleyball.JPG')
plt.imshow(image[...,:-1])
```



```
height, width = image.shape[:2]
# Simply use indexing to crop out the rectangle we desire
cropped = image[50:350 , 200:500]
plt.imshow(cropped[...,:-1])
```

<matplotlib.image.AxesImage at 0x1ff90a532e0>



```
cv2.imshow("original", image)
cv2.imshow("cropped", cropped)

cv2.waitKey()
cv2.destroyAllWindows()
```