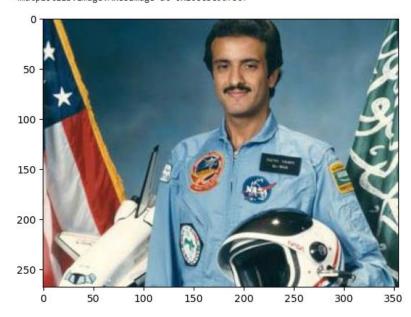
Task 1:

I first loaded the image using imageio and displayed it using matplotlib.

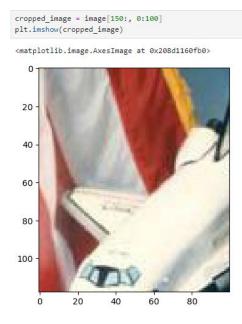
```
from skimage import data, io
from skimage.util import crop
import imageio.v3 as iio
import matplotlib.pyplot as plt

image = iio.imread(uri="image.jpg")
plt.imshow(image)
```

<matplotlib.image.AxesImage at 0x208cbc9d730>



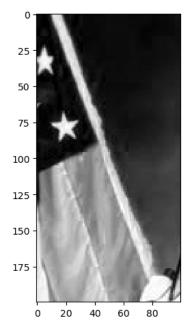
Then, I applied cropping to extract only the shuttle portion.



Then, I cropped the top-left region of the image. This portion of the image will be used to separate the Red, Green, and Blue channels. And here I displayed the red channel.

```
cropped_image2 = image[0:200:, 0:100]
red= cropped_image2[0:200, 0:100, 0]
io.imshow(red)
```

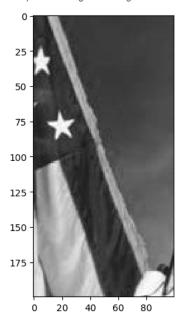
<matplotlib.image.AxesImage at 0x208d15f7ce0>



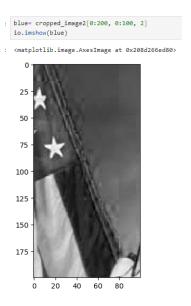
Then, the green channel.

```
green= cropped_image2[0:200, 0:100, 1]
io.imshow(green)
```

<matplotlib.image.AxesImage at 0x208cc11fe30>



Finally, the blue channel



Task 2:

From the first lab, I used the adjust_gamma to alter the brightness in the dog image.