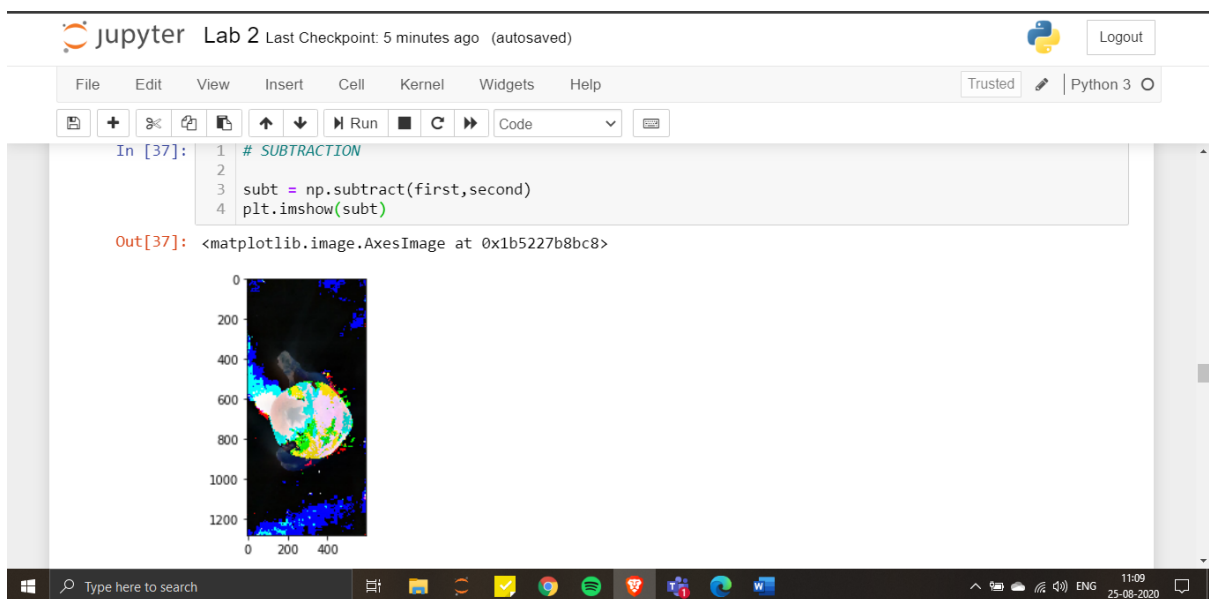
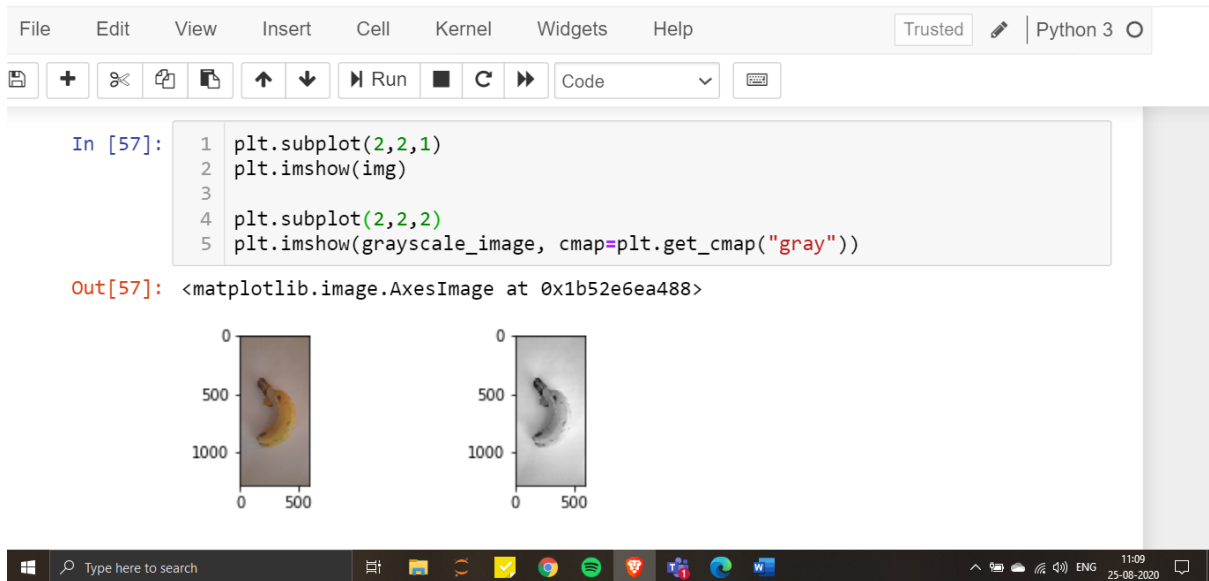
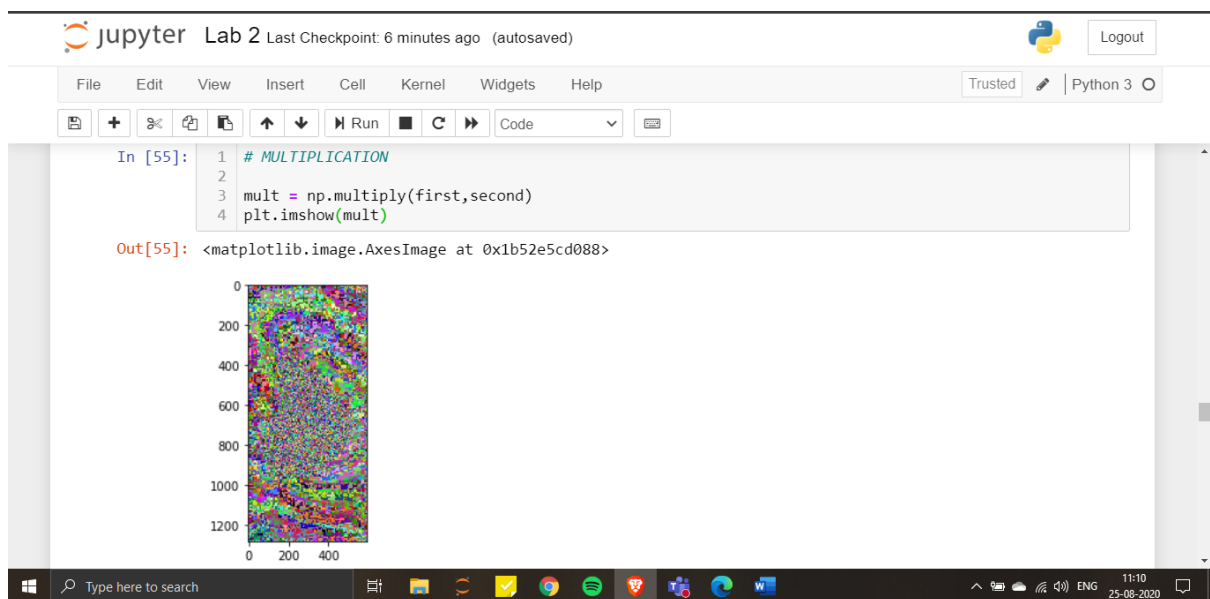
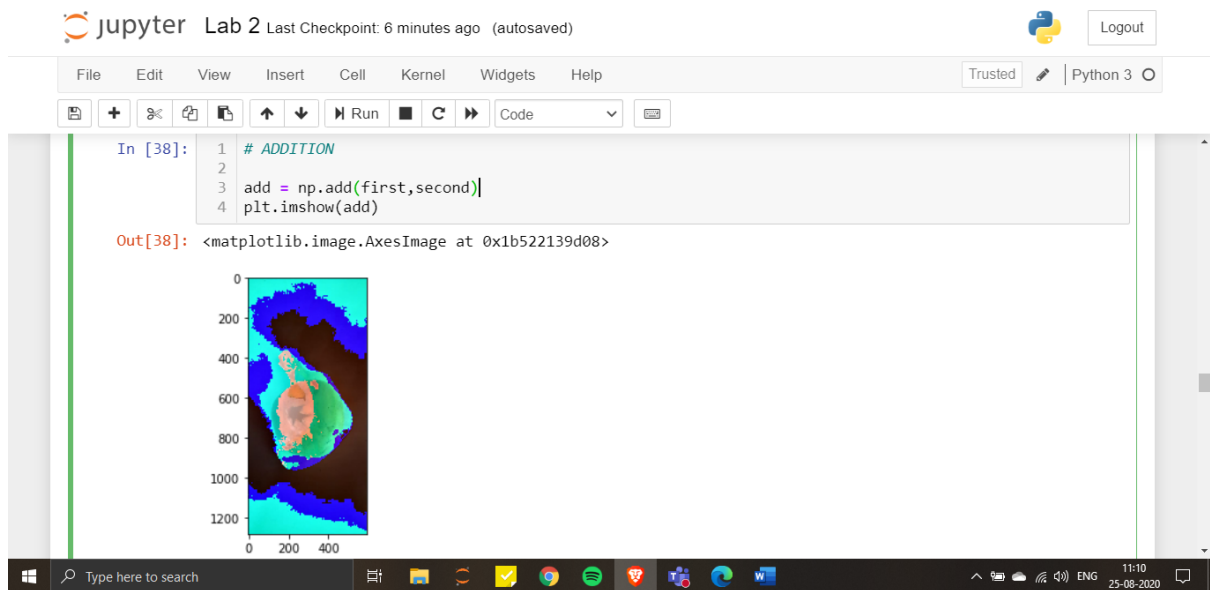


LAB 2 – Image Processing

- Kunchanapalli Manohar; E18CSE093






Jupyter Lab 2 Last Checkpoint: 6 minutes ago (autosaved) Logout

File Edit View Insert Cell Kernel Widgets Help Trusted Python 3

```
In [48]: 1 hsv_image = rgb2hsv(rgb_img)
```

```
In [104]: 1 plt.subplot(2,2,1)
2 plt.title("Normal")
3 plt.imshow(rgb_img)
4
5 plt.subplot(2,2,2)
6 plt.title("HSV")
7 plt.imshow(hsv_image)
```

Out[104]: <matplotlib.image.AxesImage at 0x1b516631448>



Windows taskbar: Type here to search, 11:11 25-08-2020

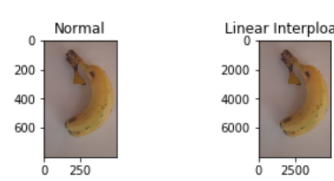
Jupyter Lab 2 Last Checkpoint: 7 minutes ago (autosaved) Logout

File Edit View Insert Cell Kernel Widgets Help Trusted Python 3

```
2 import cv2
3 linear_img = cv2.resize(img,None,fx=10,fy=10,interpolation=cv2.INTER_LINEAR)
```

```
In [94]: 1 plt.subplot(2,2,1)
2 plt.title("Normal")
3 plt.imshow(img)
4
5 plt.subplot(2,2,2)
6 plt.title("Linear Interpolation")
7 plt.imshow(linear_img)
```

Out[94]: <matplotlib.image.AxesImage at 0x1b5005bb48>



Windows taskbar: Type here to search, 11:11 25-08-2020

Jupyter Lab 2 Last Checkpoint: 7 minutes ago (autosaved) Logout

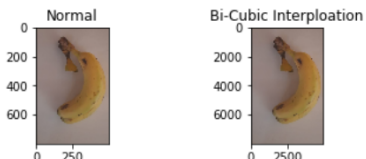
File Edit View Insert Cell Kernel Widgets Help Trusted Python 3

In [96]: `1 cubic_img = cv2.resize(img, None, fx=10, fy=10, interpolation=cv2.INTER_CUBIC)`

In [97]: `1 plt.subplot(2,2,1)
2 plt.title("Normal")
3 plt.imshow(img)
4
5 plt.subplot(2,2,2)
6 plt.title("Bi-Cubic Interpolation")
7 plt.imshow(cubic_img)`

Out[97]: `<matplotlib.image.AxesImage at 0x1b50e72e408>`

Normal Bi-Cubic Interpolation



0 250 0 2000

11:11 25-08-2020

Jupyter Lab 2 Last Checkpoint: 7 minutes ago (autosaved) Logout

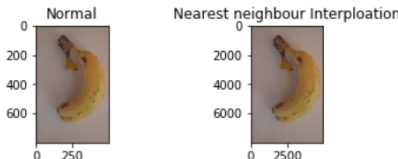
File Edit View Insert Cell Kernel Widgets Help Trusted Python 3

In [98]: `1 nearest_neighbour_img = cv2.resize(img, None, fx=10, fy=10, interpolation=cv2.INTER_NEAREST)`

In [99]: `1 plt.subplot(2,2,1)
2 plt.title("Normal")
3 plt.imshow(img)
4
5 plt.subplot(2,2,2)
6 plt.title("Nearest neighbour Interpolation")
7 plt.imshow(nearest_neighbour_img)`

Out[99]: `<matplotlib.image.AxesImage at 0x1b515b7bb88>`

Normal Nearest neighbour Interpolation



0 250 0 2000

11:12 25-08-2020