

SPRINT 1

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Team ID	PNT2022TMID43116
Project Name	SmartFarmer- IOT Enabled Smart Farming Application

Python code for Gray scale analysis

```
import tkinter
import matplotlib
matplotlib.use('TkAgg')
import matplotlib.pyplot as plt

from skimage import color
from skimage import io

def img2grey(img):
    r,g,b = img[:, :, 0], img[:, :, 1], img[:, :, 2]
    return 0.1*r + 0.1*g, 0.1*b

img = io.imread('nature-image.jpg')
imgGray = img2grey(img)
plt.imshow(imgGray[0], cmap="gray")
plt.show()
```

INPUT



OUTPUT

