## Task 1:

```
selected_files = [] # List to collect file paths

for i in range(4):
    fileNum = random.randint(10, 99) # Pick a random image number between 10 and 99
    files = glob.glob(BAGLS_PATH + "/*" + str(fileNum) + "*") # Find the corresponding data files to the picked image number
    selected_files.append(files) # Add image and mask files to the list

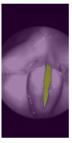
print(selected_files)
```

## Task 4:

The **luminosity method** is preferred for RGB to grayscale conversion because it better reflects human perception, giving more weight to the green channel, which the human eye is most sensitive to. This method provides a more accurate and visually pleasing grayscale image

Task 2:

Status: Muscle tension dysphonia with nodules



Status: healthy



Status: healthy

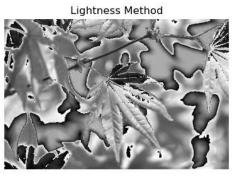


Status: healthy



Task 3:

Original







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