


```
from google.colab import drive
drive.mount("/content/drive")
```

 Mounted at /content/drive

```
import zipfile # unzipping
import glob # finding image paths
import numpy as np
import matplotlib.pyplot as plt
import os
import cv2
```

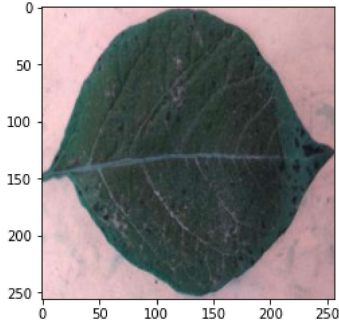
```
#!unzip -uq "/content/drive/MyDrive/potato leaf (1).zip" -d "/content/drive/MyDrive/potato leaf"
```

```
DATADIR = "/content/drive/MyDrive/potato leaf disease detection/potato leaf/PLD_3_Classes_256/Training"
CATEGORIES = ["Early_Blight", "Healthy", "Late_Blight"]
```

```
data = []
for category in CATEGORIES:
    path = os.path.join(DATADIR, category)
    class_num = CATEGORIES.index(category)
    for img in os.listdir(path):
        img_array = cv2.imread(os.path.join(path, img), cv2.IMREAD_COLOR)
        data.append([img_array, class_num])
```

```
# Print the index values of the first image in the dataset
index = 0
print("Index: ", index)
print("Label: ", CATEGORIES[data[index][1]])
plt.imshow(data[index][0])
plt.show()
```

Index: 0
Label: Early_Blight



```
# Print the index values of the first image in the dataset
for index, item in enumerate(data):
    print("Index: ", index)
    print("Label: ", CATEGORIES[item[1]])
    plt.imshow(item[0])
```

Streaming output truncated to the last 5000 lines.

Index: 634
Label: Early_Blight
Index: 635
Label: Early_Blight
Index: 636
Label: Early_Blight
Index: 637
Label: Early_Blight
Index: 638
Label: Early_Blight
Index: 639
Label: Early_Blight
Index: 640
Label: Early_Blight
Index: 641
Label: Early_Blight
Index: 642
Label: Early_Blight
Index: 643
Label: Early_Blight
Index: 644
Label: Early_Blight
Index: 645
Label: Early_Blight
Index: 646
Label: Early_Blight
Index: 647
Label: Early_Blight
Index: 648
Label: Early_Blight
Index: 649
Label: Early_Blight
Index: 650
Label: Early_Blight
Index: 651
Label: Early_Blight
Index: 652
Label: Early_Blight
Index: 653
Label: Early_Blight
Index: 654
Label: Early_Blight
Index: 655
Label: Early_Blight
Index: 656
Label: Early_Blight
Index: 657
Label: Early_Blight
Index: 658
Label: Early_Blight
Index: 659
Label: Early_Blight
Index: 660
Label: Early_Blight
Index: 661
Label: Early_Blight

