```
from keras.preprocessing import image
from tensorflow.keras.preprocessing.image import img_to_array
from tensorflow.keras.preprocessing import image
from tensorflow.keras.models import load_model
import numpy as nps

model=load_model(r'/content/fruit.h5')

import numpy as np
from tensorflow.keras.models import load_model
from tensorflow.keras.preprocessing import image

img=image.load_img(r'/content/drive/MyDrive/DataSet/Dataset Plant
Disease/fruit-dataset/fruit-dataset/test/Peach___Bacterial_spot/002edd
d0-b6b3-474c-be08-423e53e24f82___Rutg._Bact.S
1955.JPG',grayscale=False,target_size=(128,128))

img
```

```
x=image.img_to_array(img)
x=nps.expand_dims(x,axis=0)

pred=(model.predict(x) > 0.5).astype("int32")

1/1 [==============================] - 0s 103ms/step

pred

array([[0, 0, 0, 0, 1, 0]], dtype=int32)

x_test.class_indices

{'Apple___Black_rot': 0,
 'Apple___healthy': 1,
 'Corn_(maize)___Northern_Leaf_Blight': 2,
 'Corn_(maize)___healthy': 3,
 'Peach___Bacterial_spot': 4,
 'Peach___healthy': 5}

img=image.load_img(r"/content/drive/MyDrive/DataSet/Dataset Plant
Disease/fruit-dataset/fruit-dataset/test/Peach___Bacterial_spot/002edd
d0-b6b3-474c-be08-423e53e24f82___Rutg._Bact.S
```

```
1955.JPG",target_size=(128,128))
x=image.img_to_array(img)
x=np.expand_dims(x,axis=0)
y=np.argmax(model.predict(x),axis=1)
index=['Apple___Black_rot', 'Apple___healthy',
'Corn_(maize)___healthy', 'Corn_(maize)___Northern_Leaf_Blight',
'Peach___Bacterial_spot', 'Peach___healthy']
index[y[0]]
```

```
1/1 [==============================] - 0s 24ms/step
```


```
{"type":"string"}
```