```
import tensorflow as tf
from tensorflow import keras
from tensorflow.keras.preprocessing.image import ImageDataGenerator
                                                                                                                                                                     In [3]:
model = tf.keras.models.load model(r'C:\Users\VENGAT\fruitdata.h5')
                                                                                                                                                                     In [4]:
test datagen 1=ImageDataGenerator(rescale=1)
test generator 1=test datagen 1.flow from directory(
         test dir,
         target size=(128,128),
         batch size=20,
         class mode='categorical'
Found 1686 images belonging to 6 classes.
                                                                                                                                                                     In [5]:
import numpy as np
from tensorflow.keras.models import load model
from tensorflow.keras.preprocessing import image
                                                                                                                                                                     In [6]:
img=image.load img(r"C:\Users\VENGAT\Desktop\Data\Dataset Plant
\label{linear_con_maize} \begin{tabular}{ll} Disease \ Tuit-dataset \ Tuit-data
f638-435a-8994-f1418b332199 R.S HL 8102 copy 2.jpg")
                                                                                                                                                                     In [7]:
img
                                                                                                                                                                   Out[7]:
                                                                                                                                                                     In [8]:
img=image.load img(r"C:\Users\VENGAT\Desktop\Data\Dataset Plant
Disease\fruit-dataset\fruit-dataset\train\Corn (maize) healthy\9faacf6a-
f638-435a-8994-f1418b332199 R.S HL 8102 copy
2.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 [=======] - 7s 7s/step
                                                                                                                                                                   Out[8]:
'Corn_(maize)___Northern Leaf Blight'
                                                                                                                                                                     In [9]:
model.evaluate(test generator 1, steps=50)
accuracy: 0.6230
                                                                                                                                                                   Out[9]:
[666.1144409179688, 0.6230000257492065]
                                                                                                                                                                      In []:
```