```
In [8]: import keras
          from keras.preprocessing.image import ImageDataGenerator
In [14]: from keras.models import load_model
          from keras.layers import Lambda
import tensorflow as tf
In [22]: tf.keras.preprocessing.image_dataset_from_directory(
              directory="C:\\Users\\Akash\\Downloads\\Dataset",
labels="inferred",
              label_mode="int",
              class_names=None,
             color_mode="rgb",
batch_size=32,
image_size=(256, 256),
shuffle=True,
              seed=None,
              validation_split=None,
              subset=None,
              interpolation="bilinear",
follow_links=False,
crop_to_aspect_ratio=False,
          Found 558 files belonging to 1 classes.
Out[22]: <BatchDataset element_spec=(TensorSpec(shape=(None, 256, 256, 3), dtype=tf.float32, name=None), TensorSpec(shape=(None,), dtype=tf.int32, name=None))>
In [10]: train_datagen=ImageDataGenerator(rescale=1./255, shear_range=0.2, rotation_range=180, zoom_range=0.2, horizontal_flip=True) test_datagen=ImageDataGenerator(rescale=1./255)
 Found 436 images belonging to 2 classes.
 In [22]: x_test = test_datagen.flow_from_directory(r'C:\Users\Akash\Downloads\Dataset\Dataset\test_set',
                                                       target_size = (128,128),
batch_size = 32,
class_mode= 'binary')
           Found 121 images belonging to 2 classes.
 In [23]: from keras.models import Sequential from keras.layers import Convolution2D,MaxPooling2D,Dense,Flatten
           import warnings
warnings.filterwarnings('ignore')
```

```
In [24]: model = Sequential()
```