Adding convolution layer

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

from keras.preprocessing.image import ImageDataGenerator
train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_range=0.2,horizontal_
test_datagen=ImageDataGenerator(rescale=1./255)

x_train = train_datagen.flow_from_directory('/content/Dataset/training_set',target_size=(
```

64

        Found 15750 images belonging to 9 classes.

```
x_test = test_datagen.flow_from_directory('/content/Dataset/test_set',target_size=(64,64)
```

,

        Found 2250 images belonging to 9 classes.

```
from keras.models import Sequential
from keras.layers import Dense from
keras.layers import Convolution2D from
keras.layers import MaxPooling2D from
keras.layers import Dropout from
keras.layers import Flatten
```

```
model = Sequential()

model.add(Convolution2D(32,(3,3),input_shape=(64,64,1), activation='relu'))
#no. of feature detectors, size of feature detector, image size, activation function
```