

In [33]: `cd G:`

`G:\smart_bridge\Crop-animal data`

In [34]: `cd smart_bridge`

[WinError 2] The system cannot find the file specified: 'smart\_bridge'  
`G:\smart_bridge\Crop-animal data`

In [35]: `cd Crop-animal data`

[WinError 2] The system cannot find the file specified: 'Crop-animal data'  
`G:\smart_bridge\Crop-animal data`

In [36]: `from keras.models import Sequential  
 from keras.layers import Dense  
 from keras.layers import Convolution2D  
 from keras.layers import MaxPooling2D  
 from keras.layers import Flatten`

In [37]: `model = Sequential()`

In [38]: `model.add(Convolution2D(32,(3,3),input_shape = (64,64,3),activation = 'relu'))`

In [39]: `model.add(MaxPooling2D(pool_size=(2,2)))`

In [40]: `model.add(Flatten())`

In [41]: `model.add(Dense(output_dim=150,init = 'uniform',activation = 'relu'))`

C:\Users\Admin\Anaconda3\lib\site-packages\ipykernel\_launcher.py:1: UserWarning: Update your `Dense` call to the Keras 2 API: `Dense(activation="relu", units=150, kernel\_initializer="uniform")`  
 """Entry point for launching an IPython kernel.

In [44]: `model.add(Dense(output_dim=1,init = 'uniform',activation = 'sigmoid'))`

C:\Users\Admin\Anaconda3\lib\site-packages\ipykernel\_launcher.py:1: UserWarning: Update your `Dense` call to the Keras 2 API: `Dense(activation="sigmoid", units=1, kernel\_initializer="uniform")`  
 """Entry point for launching an IPython kernel.

In [45]: `from keras.preprocessing.image import ImageDataGenerator  
 train_datagen = ImageDataGenerator(rescale = 1./255,shear_range = 0.2,zoom_range  
 test_datagen = ImageDataGenerator(rescale =1 )`

In [46]: `x_train = train_datagen.flow_from_directory(r'x_training',target_size = (64,64),  
 x_test = test_datagen.flow_from_directory(r'x_testing',target_size = (64,64),bat`

Found 1178 images belonging to 5 classes.  
 Found 317 images belonging to 5 classes.

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In [48]: x_train.class_indices
```

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Out[48]: {'bears': 0, 'crows': 1, 'elephants': 2, 'racoons': 3, 'rats': 4}
```

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In [ ]:
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In [52]: model.compile(loss = 'categorical_crossentropy',optimizer = 'adam',metrics = ["a
```

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In [53]: model.fit_generator(x_train,steps_per_epoch = 250,epochs=50,validation_data=x_te
```

```
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ValueError                                Traceback (most recent call last)  
<ipython-input-53-2c772e01682d> in <module>  
----> 1 model.fit_generator(x_train,steps_per_epoch = 250,epochs=50,validatio  
n_data=x_test,validation_steps=63)  
  
~\Anaconda3\lib\site-packages\keras\legacy\interfaces.py in wrapper(*args, **  
kwargs)  
    89         warnings.warn('Update your ``' + object_name + ``' call  
to the ' +  
    90         'Keras 2 API: ' + signature, stacklevel  
=2)  
----> 91         return func(*args, **kwargs)  
    92     wrapper._original_function = func  
    93     return wrapper  
  
~\Anaconda3\lib\site-packages\keras\engine\training.py in fit_generator(self,  
generator, steps_per_epoch, epochs, verbose, callbacks, validation_data, vali  
dation_steps, validation_freq, class_weight, max_queue_size, workers, use_mul  
tiprocessing, shuffle, initial_epoch)
```

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In [ ]:
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