```
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are obtained by training set of set of dogs and cats.
0 is for cat
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```
from keras.models import model_from_json
import cv2
import numpy as np


json_file = open('/content/dummy.json', 'r')
loaded_model_json = json_file.read()
json_file.close()
loaded_model = model_from_json(loaded_model_json)

loaded_model.load_weights("/content/model.h5")
print("Loaded model from disk")

'''loaded_model.compile(loss=keras.losses.categorical_crossentropy,
              optimizer=keras.optimizers.Adadelta(),
              metrics=['accuracy'])
'''
loaded_model.compile(optimizer = 'adam', loss = 'binary_crossentropy', metrics = ['accuracy'])

img = cv2.imread("/content/cat_vs_dog.jfif")
img = cv2.resize(img, (50,50))
print(img.shape)
img = img.reshape(1, 50, 50, 3)

print(img.shape)
#print(np.argmax(loaded_model.predict(img)))
#0-for cat and 1 for dog
print(loaded_model.predict(img))
```

```
Loaded model from disk
(50, 50, 3)
(1, 50, 50, 3)
[[0.]]
```