

Test With saved model

Input:

```
from tensorflow.keras.models import load_model
from tensorflow.keras.preprocessing import image
import numpy as np
model = load_model('mnistCNN.h5')
img = image.load_img('9.png',target_size=(28,28),grayscale=True)
img = image.img_to_array(img)
print(img.shape)
x = np.expand_dims(img,axis=0)
print(x.shape)
print(''*20)
print(model.predict(x))
print(''*20)
print(np.round_(model.predict(x)))
```

Output:

(28, 28, 1)

(1, 28, 28, 1)

1/1 [=====] - 0s 54ms/step

[[2.0730141e-01 4.4900822e-04 1.4002007e-01 6.4989376e-01 1.3808086e-09
4.6116722e-04 1.0275489e-05 2.1104751e-09 1.8321988e-03 3.2233369e-05]]

1/1 [=====] - 0s 18ms/step

[[0. 0. 0. 1. 0. 0. 0. 0. 0.]]