```python
from tensorflow.keras.models import load_model
from keras.preprocessing import image
from PIL import Image
import numpy as np
model = load_model("mnistCNN.h5")
img = Image.open("C:/Users/Dell/PycharmProjects/A-novel-method-for-digit-
recognition-system/data/1.png").convert("L") # convert image to monochrome
img = img.resize( (28,28) ) # resizing of input image
```

1

```python
im2arr = np.array(img) #converting to image
im2arr = im2arr.reshape(1, 28, 28, 1) #reshaping according to our requirement
pred = model.predict(im2arr)
print(pred)
1/1 [==============================] - 0s 182ms/step
[[2.5381066e-09 4.9758598e-01 6.5878254e-07 3.7901787e-06 5.3061078e-05
  2.5423644e-06 2.0804979e-10 9.8954014e-02 1.2672696e-03 4.0213263e-01]]
num = np.argmax(pred, axis=1) #printing our Labels
print(num[0])
1
```