## Predicting our results

```
from tensorflow.keras.models import load_model
from keras.preprocessing import image
model = load_model("gesture.h5") #Loading the model for testing
```

Taking an image as input and checking the results

```
img = image.load_img(r"E:\PROJECTS\number-sign-recognition\data\test\1\1.jpg",grayscale=True,
                     target_size= (64,64))#Loading of the image
x = image.img_to_array(img)#image to array
x = np.expand_dims(x,axis = 0)#changing the shape
pred = model.predict_classes(x)#predicting the classes
pred
```

```
array([1], dtype=int64)
```

By using the model we are predicting the output for the given input image

```
index=['0','1','2','3','4','5']
result=str(index[pred[0]])
result
```

```
'1'
```

The predicted class index name will be printed here.