TEST THE MODEL

10 . Test The Model

In [39]:
```python
model_json = model.to_json()
```

In [40]:
```python
with open('model-bw.json',"w") as json_file:
    json_file.write(model_json)
```

In [41]:
```python
model = load_model('gesture.h5')
```

In [42]:
```python
img = image.load_img('Dataset/test/2/3.jpg',grayscale=True,target_size=(64,64))
img
```

Out[42]:

In [43]:
```python
x = image.img_to_array(img)
x = np.expand_dims(x,axis=0)
pred = np.argmax(model.predict(x),axis=1)
pred
```

```
1/1 [==============================] - 0s 46ms/step
```

Out[43]: array([2])

In [44]:
```python
index = ['0','1','2','3','4','5']
res = str(index[pred[0]])
res
```

Out[44]: '2'