## Compiling the model

```
model.compile(loss = 'categorical_crossentropy',optimizer = 'adam',metrics = ['accuracy'])
r = model.fit(training_set,validation_data = test_set,epochs = 40,steps_per_epoch = len(training_set)//32,validation_steps = len(test_set)//32)
```

```
Epoch 12/40
3/3 [==============================] - 52s 16s/step - loss: 2.2501 - accuracy: 0.6042
Epoch 13/40
3/3 [==============================] - 47s 14s/step - loss: 1.1787 - accuracy: 0.7604
Epoch 14/40
3/3 [==============================] - 49s 15s/step - loss: 1.4312 - accuracy: 0.7917
Epoch 15/40
3/3 [==============================] - 51s 16s/step - loss: 1.3212 - accuracy: 0.7500
Epoch 16/40
3/3 [==============================] - 50s 15s/step - loss: 1.7987 - accuracy: 0.6354
Epoch 17/40
3/3 [==============================] - 48s 14s/step - loss: 1.3420 - accuracy: 0.6875
Epoch 18/40
3/3 [==============================] - 50s 15s/step - loss: 2.0309 - accuracy: 0.5833
Epoch 19/40
3/3 [==============================] - 50s 15s/step - loss: 1.5005 - accuracy: 0.6042
Epoch 20/40
3/3 [==============================] - 50s 14s/step - loss: 1.1720 - accuracy: 0.7083
Epoch 21/40
3/3 [==============================] - 50s 15s/step - loss: 1.5429 - accuracy: 0.6979
Epoch 22/40
3/3 [==============================] - 54s 15s/step - loss: 1.1306 - accuracy: 0.7396
Epoch 23/40
3/3 [==============================] - 48s 14s/step - loss: 1.3043 - accuracy: 0.6771
Epoch 24/40
3/3 [==============================] - 48s 14s/step - loss: 1.5459 - accuracy: 0.7396
Epoch 25/40
3/3 [==============================] - 48s 15s/step - loss: 1.0610 - accuracy: 0.6250
Epoch 26/40
3/3 [==============================] - 47s 14s/step - loss: 1.2918 - accuracy: 0.6771
```