```
Capa input 3 congelada...
Capa block1 conv1 congelada...
Capa block1_conv2 congelada...
Capa block1_pool congelada...
Capa block2 conv1 congelada...
Capa block2_conv2 congelada...
Capa block2_pool congelada...
Capa block3 conv1 congelada...
Capa block3_conv2 congelada...
Capa block3 conv3 congelada...
Capa block3_pool congelada...
Capa block4_conv1 congelada...
Capa block4 conv2 congelada...
Capa block4 conv3 congelada...
Capa block4_pool congelada...
Model: "sequential 3"
```

Layer (type)	Output Shape	Param #
16 (4 1 1)		1.471.4600
vgg16 (Model)	(None, 4, 4, 512)	14714688
flatten_3 (Flatten)	(None, 8192)	0
dense 7 (Dense)	(None, 1024)	8389632
	(None) 1021)	
dense_8 (Dense)	(None, 1024)	1049600
dropout_3 (Dropout)	(None, 1024)	0
dense_9 (Dense)	(None, 102)	104550
Total parame: 24 258 470		

Total params: 24,258,470 Trainable params: 16,623,206 Non-trainable params: 7,635,264

```
Creando subset de datos ...
```

Creando sub-conjunto de datos con 102 clases y 100 muestras por clase

number of classes: 102

Sub-conjunto con 102 clases creado.

Cantidad de muestras: 6398

Creando juegos de datos de train, validate y test ...

Creando datos de train, validate y test \dots Datos de train, validate y test creados.

Split de Entrenamiento, Validación y prueba: 4478, 960, 960

Entrenando el modelo...

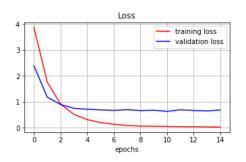
Train on 4478 samples, validate on 960 samples

Epoch 2/15

4478/4478 [===========] - 5s lms/step - loss: 0.0867 - acc: 0.9781 - val_loss: 0.6948 - val_acc: 0.8198 Epoch 9/15

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Exactitud en subconjunto de test:
Predict loss: 0.6311272002756596
Predict accuracy: 0.84375
Exactitud sobre todo el dataset:
Predict loss: 0.31709125988911185
Predict accuracy: 0.9268452706396938
(0.3171, 0.9268)

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