Loading the trained model:

WARNING:tensorflow:SavedModel saved prior to TF 2.5 detected when loading Keras model. Please ensure that you are saving the model with model.save() or tf.keras.models.save_model(), *NOT* tf.saved_model.save(). To confirm, there should be a file named "keras_metadata.pb" in the SavedModel directory.
WARNING:tensorflow:No training configuration found in save file, so the model was *not* compiled. Compile it manually.
Model: "sequential"

Layer (type)	Output Shape	Param #
lambda (Lambda)	(None, None, None, 3)	0
resize (Lambda)	(None, 224, 224, 3)	0
permute (Permute)	(None, 3, 224, 224)	0
model (Functional)	(None, 1280)	630766080
dropout_32 (Dropout)	(None, 1280)	0
dense (Dense)	(None, 64)	81984
embedding_norm (Lambda)	(None, 64)	0

===
Total params: 630,848,064
Trainable params: 630,848,064

Non-trainable params: 0
_____
None

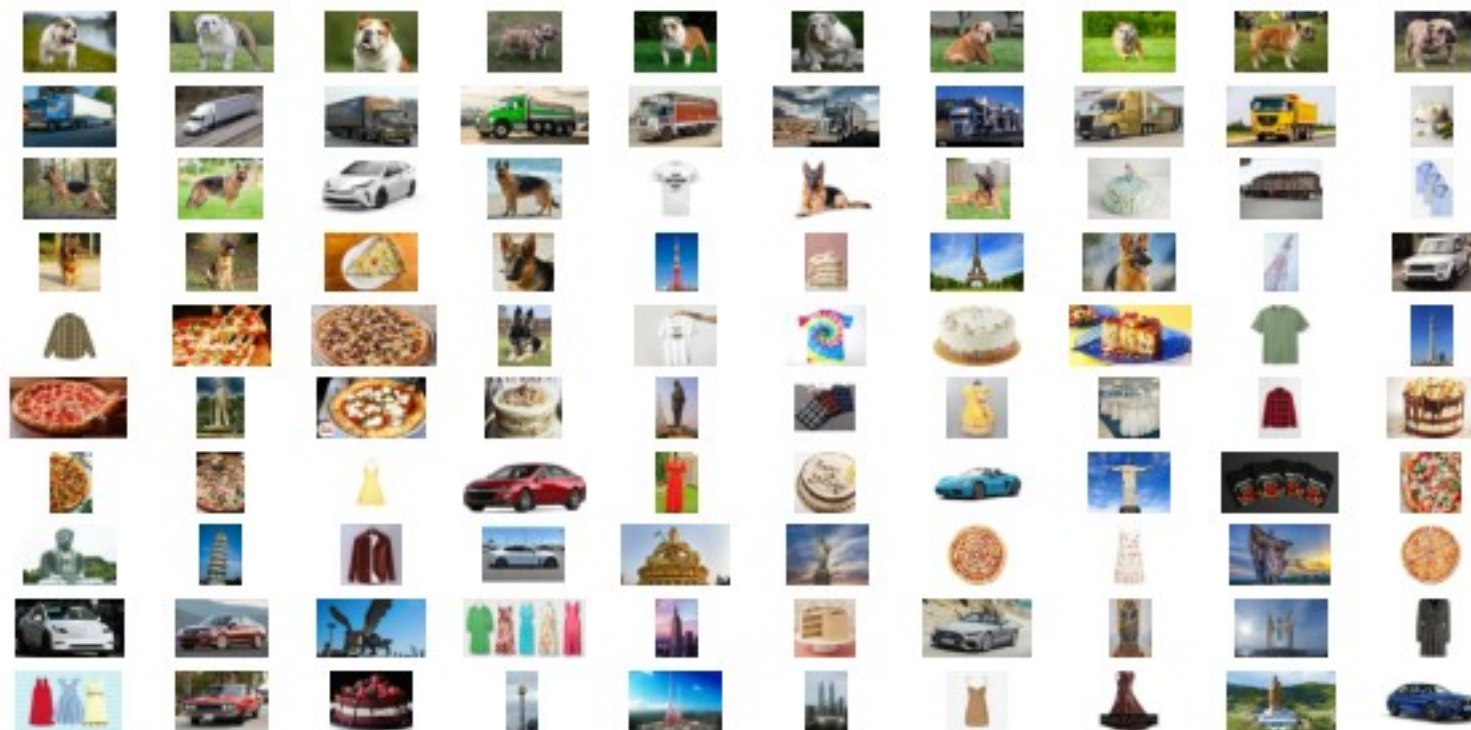Generating embedding for the Test image:

1/1 [==============================] - 80s 80s/step

Top 5 Matches are:

All images sorted on embedding similarality:

In [184]: