* NearyPy framework is used to perform ANN (Approximate Nearest Neighbour) , a deep learning paradigm to find the images of the vehicles which are similar to each other.
* It allows to experiment and to evaluate new methods but is also production-ready.
* It comes with a redis storage adapter.
* To find approximated nearest neighbours for a query vector, first the vectors to be stored are indexed. For each vector that should be indexed ('stored') a hash is generated, that is a string value.
* This hash is used as the bucket key of the bucket the vector is then stored into.
* Buckets are in most cases just lists of vectors, it is the terminology used in these applications.
* SIFT feature extractor is used to find the similarity to the target vehicle.

**Vehicle Reidentification using Siamese Neural Network**

1. Sample code for vehicle reidentification using siamese neural network.