/\* ----------------------------------------------------------------------------

\* This file was automatically generated by SWIG (http://www.swig.org).

\* Version 4.0.2

\*

\* Do not make changes to this file unless you know what you are doing--modify

\* the SWIG interface file instead.

\* ----------------------------------------------------------------------------- \*/

package com.twitter.ann.faiss;

public class IndexHNSW2Level extends IndexHNSW {

private transient long swigCPtr;

protected IndexHNSW2Level(long cPtr, boolean cMemoryOwn) {

super(swigfaissJNI.IndexHNSW2Level\_SWIGUpcast(cPtr), cMemoryOwn);

swigCPtr = cPtr;

}

protected static long getCPtr(IndexHNSW2Level obj) {

return (obj == null) ? 0 : obj.swigCPtr;

}

@SuppressWarnings("deprecation")

protected void finalize() {

delete();

}

public synchronized void delete() {

if (swigCPtr != 0) {

if (swigCMemOwn) {

swigCMemOwn = false;

swigfaissJNI.delete\_IndexHNSW2Level(swigCPtr);

}

swigCPtr = 0;

}

super.delete();

}

public IndexHNSW2Level() {

this(swigfaissJNI.new\_IndexHNSW2Level\_\_SWIG\_0(), true);

}

public IndexHNSW2Level(Index quantizer, long nlist, int m\_pq, int M) {

this(swigfaissJNI.new\_IndexHNSW2Level\_\_SWIG\_1(Index.getCPtr(quantizer), quantizer, nlist, m\_pq, M), true);

}

public void flip\_to\_ivf() {

swigfaissJNI.IndexHNSW2Level\_flip\_to\_ivf(swigCPtr, this);

}

public void search(long n, SWIGTYPE\_p\_float x, long k, SWIGTYPE\_p\_float distances, LongVector labels) {

swigfaissJNI.IndexHNSW2Level\_search(swigCPtr, this, n, SWIGTYPE\_p\_float.getCPtr(x), k, SWIGTYPE\_p\_float.getCPtr(distances), SWIGTYPE\_p\_long\_long.getCPtr(labels.data()), labels);

}

}