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

\* 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.

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package com.twitter.ann.faiss;

public class Level1Quantizer {

private transient long swigCPtr;

protected transient boolean swigCMemOwn;

protected Level1Quantizer(long cPtr, boolean cMemoryOwn) {

swigCMemOwn = cMemoryOwn;

swigCPtr = cPtr;

}

protected static long getCPtr(Level1Quantizer 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\_Level1Quantizer(swigCPtr);

}

swigCPtr = 0;

}

}

public void setQuantizer(Index value) {

swigfaissJNI.Level1Quantizer\_quantizer\_set(swigCPtr, this, Index.getCPtr(value), value);

}

public Index getQuantizer() {

long cPtr = swigfaissJNI.Level1Quantizer\_quantizer\_get(swigCPtr, this);

return (cPtr == 0) ? null : new Index(cPtr, false);

}

public void setNlist(long value) {

swigfaissJNI.Level1Quantizer\_nlist\_set(swigCPtr, this, value);

}

public long getNlist() {

return swigfaissJNI.Level1Quantizer\_nlist\_get(swigCPtr, this);

}

public void setQuantizer\_trains\_alone(char value) {

swigfaissJNI.Level1Quantizer\_quantizer\_trains\_alone\_set(swigCPtr, this, value);

}

public char getQuantizer\_trains\_alone() {

return swigfaissJNI.Level1Quantizer\_quantizer\_trains\_alone\_get(swigCPtr, this);

}

public void setOwn\_fields(boolean value) {

swigfaissJNI.Level1Quantizer\_own\_fields\_set(swigCPtr, this, value);

}

public boolean getOwn\_fields() {

return swigfaissJNI.Level1Quantizer\_own\_fields\_get(swigCPtr, this);

}

public void setCp(ClusteringParameters value) {

swigfaissJNI.Level1Quantizer\_cp\_set(swigCPtr, this, ClusteringParameters.getCPtr(value), value);

}

public ClusteringParameters getCp() {

long cPtr = swigfaissJNI.Level1Quantizer\_cp\_get(swigCPtr, this);

return (cPtr == 0) ? null : new ClusteringParameters(cPtr, false);

}

public void setClustering\_index(Index value) {

swigfaissJNI.Level1Quantizer\_clustering\_index\_set(swigCPtr, this, Index.getCPtr(value), value);

}

public Index getClustering\_index() {

long cPtr = swigfaissJNI.Level1Quantizer\_clustering\_index\_get(swigCPtr, this);

return (cPtr == 0) ? null : new Index(cPtr, false);

}

public void train\_q1(long n, SWIGTYPE\_p\_float x, boolean verbose, MetricType metric\_type) {

swigfaissJNI.Level1Quantizer\_train\_q1(swigCPtr, this, n, SWIGTYPE\_p\_float.getCPtr(x), verbose, metric\_type.swigValue());

}

public long coarse\_code\_size() {

return swigfaissJNI.Level1Quantizer\_coarse\_code\_size(swigCPtr, this);

}

public void encode\_listno(long list\_no, SWIGTYPE\_p\_unsigned\_char code) {

swigfaissJNI.Level1Quantizer\_encode\_listno(swigCPtr, this, list\_no, SWIGTYPE\_p\_unsigned\_char.getCPtr(code));

}

public long decode\_listno(SWIGTYPE\_p\_unsigned\_char code) {

return swigfaissJNI.Level1Quantizer\_decode\_listno(swigCPtr, this, SWIGTYPE\_p\_unsigned\_char.getCPtr(code));

}

public Level1Quantizer(Index quantizer, long nlist) {

this(swigfaissJNI.new\_Level1Quantizer\_\_SWIG\_0(Index.getCPtr(quantizer), quantizer, nlist), true);

}

public Level1Quantizer() {

this(swigfaissJNI.new\_Level1Quantizer\_\_SWIG\_1(), true);

}

}