Atitit gzip模块与功能gzip 压缩

**package** com.cnhis.cloudhealth.clidoctorweb.gzip;

**import** java.io.ByteArrayInputStream;

**import** java.io.ByteArrayOutputStream;

**import** java.io.IOException;

**import** java.io.UnsupportedEncodingException;

**import** java.util.zip.GZIPInputStream;

**import** java.util.zip.GZIPOutputStream;

**public** **class** GzipUtil {

**public** **static** **void** main(String[] args) **throws** UnsupportedEncodingException {

String **s**="测试数据测试数据测试数据测试数据测试数据";

**byte**[] **buff**=s.getBytes("gbk");

System.***out***.println(buff.length);

**byte**[] **buff\_ziped** = *gzip*(buff);

System.***out***.println(buff\_ziped.length);

System.***out***.println("unzip:"+ **new** String( *uncompress*(buff\_ziped) ,"gbk"));

}

**public** **static** **byte**[] uncompress(**byte**[] bytes) {

**if** (bytes == **null** || bytes.length == 0) {

**return** **null**;

}

ByteArrayOutputStream **out** = **new** ByteArrayOutputStream();

ByteArrayInputStream **in** = **new** ByteArrayInputStream(bytes);

**try** {

GZIPInputStream **ungzip** = **new** GZIPInputStream(in);

**byte**[] **buffer** = **new** **byte**[256];

**int** **n**;

**while** ((n = ungzip.read(buffer)) >= 0) {

out.write(buffer, 0, n);

}

} **catch** (IOException **e**) {

**throw** **new** RuntimeException(e);

}

**return** out.toByteArray();

}

**private** **static** **byte**[] gzip(**byte**[] buff) {

ByteArrayOutputStream **baos** = **new** ByteArrayOutputStream();

GZIPOutputStream **gzip** = **null**;

**try** {

gzip = **new** GZIPOutputStream(baos);

} **catch** (IOException **e1**) {

**throw** **new** RuntimeException(e1);

}

**try** {

gzip.write(buff);

} **catch** (IOException **e**) {

**throw** **new** RuntimeException(e);

}

**try** {

gzip.close();

} **catch** (IOException **e**) {

**throw** **new** RuntimeException(e);

}

**byte**[] **buff\_ziped** = baos.toByteArray();

**return** buff\_ziped;

}

}