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package com.sxt.test;

import java.io.ByteArrayOutputStream;
import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.InputStream;

/**
 * 加载文件系统中加密后的class字节码的类加载器
 * @author 江
 *
 */

public class DecrptClassLoader extends ClassLoader {
    private String rootDir;

    public DecrptClassLoader(String rootDir) {
        this.rootDir=rootDir;
    }

    @Override
    protected Class<?> findClass(String name) throws ClassNotFoundException
    {
        Class c=findLoadedClass(name);

        if(null!=c) {
            return c;
        }else {
            ClassLoader loader=this.getParent();
            c=loader.loadClass(name);
            if(null!=c) {
                return c;
            }else {
                byte[] classdata=getClassData(name);
                if(null==classdata) {

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        throw new ClassNotFoundException();
    }else {
        c=defineClass(name, classdata,
0, classdata.length);
    }
}
return c;
}

private byte[] getClassData(String name) {
    String path=rootDir+"/"+name.replace('.', '/')+".class";
    InputStream is=null;
    ByteArrayOutputStream baos=null;

    try {
        is=new FileInputStream(path);
        baos=new ByteArrayOutputStream();
        int temp;
        while((temp=is.read())!=-1) {
            baos.write(temp^0xff); //取反操作, 相当于解密
        }
        return baos.toByteArray();

    } catch (Exception e) {
        e.printStackTrace();
        return null;
    }
}
}

```