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package com.sxt.test;

import java.io.BufferedReader;
import java.io.InputStream;
import java.io.InputStreamReader;
import java.lang.reflect.Method;
import java.net.URL;
import java.net.URLClassLoader;

import javax.tools.JavaCompiler;
import javax.tools.ToolProvider;

/**
 *
 * @author DELL
 *
 */

public class Demo01 {
    public static void main(String[] args) throws Exception {
        //通过IO流操作，将字符串储存成一个临时文件(Hi.java)，然后调用动态编译
        方法
        String str="public class Hi{public static void main(String[]
args{System.out.println(\"sxt\")}}}\";

        JavaCompiler compiler=ToolProvider.getSystemJavaCompiler();
        int result=compiler.run(null, null, null,
"C:\\myJava\\HelloWorld.java");
        System.err.println(result==0?"编译成功":"编译失败");

        //通过Runtime执行类
        Runtime run=Runtime.getRuntime();
        Process process=run.exec("java -cp C:/myJava HelloWorld");
    }
}

```

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        InputStream in=process.getInputStream();
        BufferedReader reader=new BufferedReader(new
InputStreamReader(in));
        String info="";
        while((info=reader.readLine())!=null) {
            System.err.println(info);
        }

        URL[] urls=new URL[] {new URL("file:/"+"c:/myJava/")};
        URLClassLoader loader=new URLClassLoader(urls);
        Class c=loader.loadClass("HelloWorld");
        //调用加载类的main方法
        Method m=c.getMethod("main",String[].class);
        m.invoke(null, (Object)new String[] {"aa","bb"});

    }

}
```