

第一次作业

主类:

ProcessManage 类

```
package processManage;
```

```
import java.io.BufferedReader;
```

```
import java.io.IOException;
```

```
import java.io.InputStream;
```

```
import java.io.InputStreamReader;
```

```
public class ProcessManage {
```

```
    public ProcessManage() {
```

```
        // TODO Auto-generated constructor stub
```

```
    }
```

```
    public static void main(String args[]) throws IOException{
```

```
        byte[] buffer=new byte[512];
```

```
        while(true){
```

```
            System.out.print("请输入想要执行的程序的文件路径: ");
```

```
            int s=System.in.read(buffer);
```

```
            byte[] buffer1 = new byte[512];
```

```
            for(int i = 0;i < 512;i++){
```

```
                buffer1[i] = buffer[i];
```

```
            }
```

```
            String p_idString = new String(buffer1);
```

```
            buffer[s-2] = '\0';
```

```
            buffer[s-1] = '\0';
```

```
            String cmd = new String(buffer);
```

```
            new ProcessManageThread(cmd).start();
```

```
        }
```

```
    }
```

```
}
```

线程类：

ProcessManageThread 类

```
package processManage;
```

```
import java.io.BufferedReader;
```

```
import java.io.InputStream;
```

```
import java.io.InputStreamReader;
```

```
public class ProcessManageThread extends Thread{
    private String cmdString;
    public ProcessManageThread() {
        // TODO Auto-generated constructor stub
    }
    public ProcessManageThread(String cmd){
        this.cmdString = cmd;
    }
    public void run(){
        try {
            Runtime rt = Runtime.getRuntime();
            Process pr = rt.exec(cmdString);

            InputStream stderr = pr.getErrorStream();
            InputStreamReader isr = new InputStreamReader(stderr);
            BufferedReader br = new BufferedReader(isr);
            String line = null;
            while ( (line = br.readLine()) != null){

            }

            int exitVal = pr.waitFor();

            if(exitVal == 0){
                System.out.println("\n 程序正常终止!  :" + cmdString);
            }
            else{
                System.out.println("\n 程序非正常终止!  :" + cmdString);
            }
        } catch (Exception e) {
            // TODO: handle exception
            System.out.println(e.toString());
            e.printStackTrace();
        }
    }
}
```

}

结果截图

