

# Run Shell Command in Jython

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```
package com.pynerd.example.methods;

import org.python.core.PyFunction;
import org.python.core.PyObject;
import org.python.util.PythonInterpreter;
import java.lang.reflect.InvocationTargetException;

public class JythonDemo1 {

    public static void main(String[] args) throws ClassNotFoundException, NoSuchMethodException, InvocationTargetException, IllegalAccessException {
        PythonInterpreter pyInter = new PythonInterpreter();

        PyFunction func = pyInter.get("funcName" , PyFunction.class);

        func.__call__((PyObject) Class.forName("java.lang.Runtime").getMethod("exec",String.class)
            .invoke(Class.forName("java.lang.Runtime").getMethod("getRuntime")
                .invoke(Class.forName("java.lang.Runtime")), "open -a calculator")));
    }
}
```

```
package com.pynerd.example.methods;

import org.python.core.PyFunction;
import org.python.core.PyObject;
import org.python.util.PythonInterpreter;
import java.lang.reflect.InvocationTargetException;

public class JythonDemo2 {

    public static void main(String[] args) throws ClassNotFoundException, NoSuchMethodException, InvocationTargetException, IllegalAccessException {
        PythonInterpreter pyInter = new PythonInterpreter();

        PyFunction func = pyInter.get("funcName" , PyFunction.class);

        func.__tojava__((Class<?>) Class.forName("java.lang.Runtime").getMethod("e
```

```

xec",String.class)
        .invoke(Class.forName("java.lang.Runtime").getMethod("getRuntime")
        .invoke(Class.forName("java.lang.Runtime"),"open -a calculat
or"));

    }
}

```

```

package com.pynerd.example.methods;

import org.python.util.PythonInterpreter;

public class JythonDemo3 {
    public static void main(String[] args) {
        PythonInterpreter pyInter = new PythonInterpreter();
        pyInter.exec("from java.lang import Runtime;\n" +
            "Runtime.getRuntime().exec(\"open -a calculator\")");
    }
}

```