

jython学习

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安装环境

- 安装[jython installer](#)
 - java -jar jython_installer-2.7.1.jar / 双击jar包
 - Maven: [jython2.7.0](#)
-

Java调用封装的python(文件)

准备环境

```
public static void prepare_python_env(){  
    /**  
     * @description: 准备python环境  
     * 如果不提前调这个函数, 则  
     * Exception in thread "main" ImportError: Cannot import site module  
and its dependencies: No module named site  
     */  
    Properties props = new Properties();  
    props.put("python.home", "lib/python");  
    props.put("python.console.encoding", "UTF-8");  
    props.put("python.security.respectJavaAccessibility", "false");  
    props.put("python.import.site", "false");  
    Properties preprops = System.getProperties();  
    PythonInterpreter.initialize(preprops, props, new String[0]);  
}
```

如果不进行上述配置的话会报错

```
Exception in thread "main" ImportError: Cannot import site module and its
dependencies: No module named site
Determine if the following attributes are correct:
    * sys.path: ['/Users/doublez/.m2/repository/org/python/jython/2.7.0/Lib',
'__classpath__', '__pyclasspath__']
    This attribute might be including the wrong directories, such as from
CPython
    * sys.prefix: /Users/doublez/.m2/repository/org/python/jython/2.7.0
    This attribute is set by the system property python.home, although it can
    be often automatically determined by the location of the Jython jar file

You can use the -S option or python.import.site=false to not import the site
module
```

运行某个py文件里的函数

```
public static void run_function(){
    /**
     * @description: 运行某个py文件里的函数
     */
    //调用python文件中的函数，进行两个数求和运算
    PythonInterpreter interpreter = new PythonInterpreter();
    interpreter.execfile("src/main/python/demo.py");
    PyFunction func = (PyFunction)interpreter.get("myadd",
PyFunction.class);
    int a = 10, b = 2 ;
    PyObject pyobj = func.__call__(new PyInteger(a), new PyInteger(b));
    System.out.println("answer = " + pyobj.toString());
}
```

运行某个py脚本的main函数

```
public static void run_script(){
    /**
     * @description: 运行某个py脚本的main函数
     */
    PythonInterpreter interpreter = new PythonInterpreter();
    interpreter.execfile("src/main/python/demo.py");
}
```