**Java Embedded Python**

**Project Page:** <https://github.com/mrj0/jep>

**Documentation:** <https://github.com/mrj0/jep/wiki>

**Prerequisite:**

1. JDK 6+
2. Python 2.6+

**Installation:**

1. sudo pip install jep

**How to run JEP Shell?**

The jep run script is available at **/usr/local/bin** directory. You can go to terminal and type “jep” to launch JEP shell.

**How to Setup and Run python script in java using JEP?**

1. Setting up Environment Variable
   1. LD\_PRELOAD="/usr/lib/x86\_64-linux-gnu/libpython2.7.so"
   2. LD\_LIBRARY\_PATH="/usr/lib:/usr/local/lib/python2.7/dist-packages/"

**Note:** if you are not sure of the values you should set for this environment line variables, open the file “**/usr/local/bin/jep**” and check the values for same.

1. add jar file => “/usr/local/lib/python2.7/dist-packages/jep/jep-3.5.0.jar” into your classpath or buildpath.
2. Instantiate “Jep” class and use it to execute python code.

**Example 1:**

**Main.java:**

import jep.Jep;

import jep.JepException;

public class Main {

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

Jep jep = new Jep();

jep.eval("import sys");

jep.eval("s = 'Hello World'");

jep.eval("print s");

String java\_string = jep.getValue("s").toString();

System.out.println("Java String:" + java\_string);

jep.runScript("src/myscript.py");

}

}

**myscript.py:**

for i in range(1,5):

print i