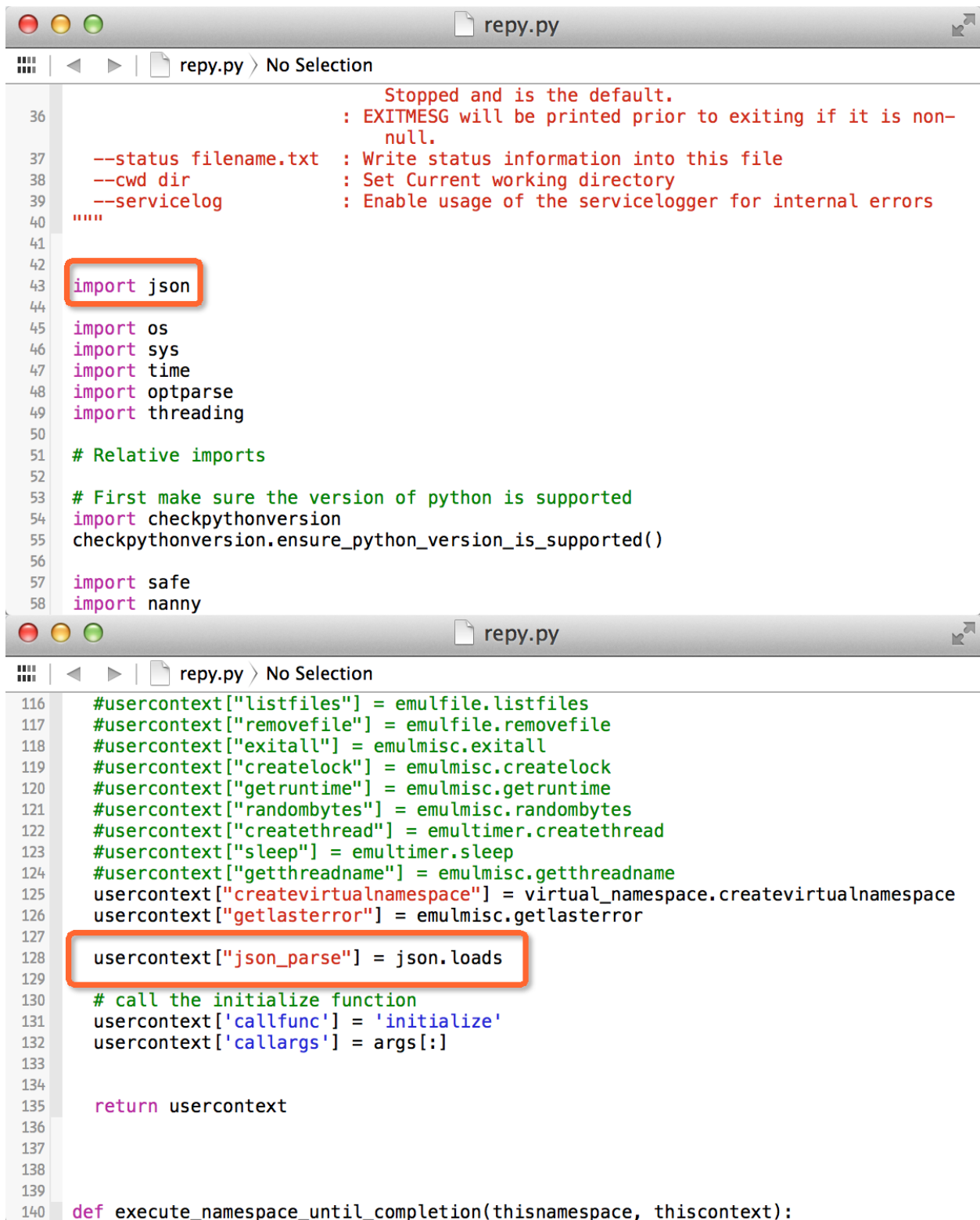


## 1. repy.py

For the repy.py, here just simply import the json and define a user defined function.



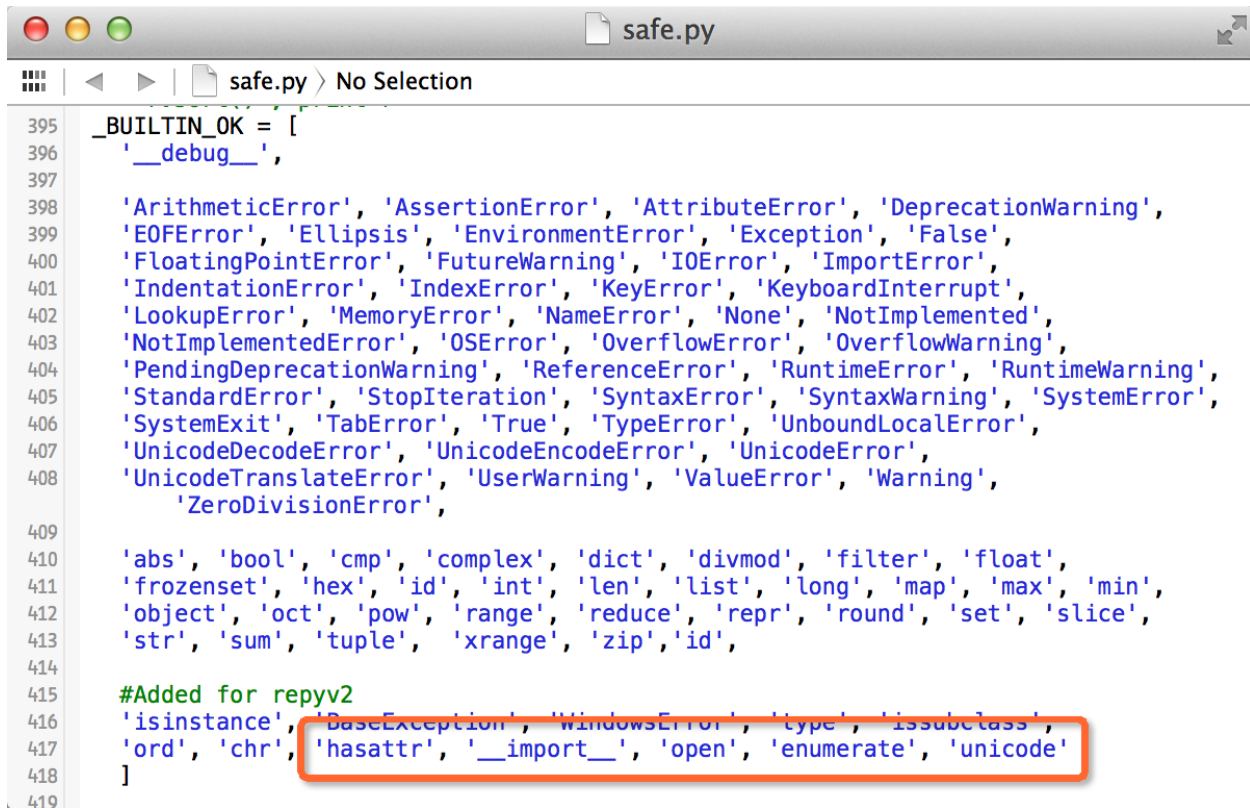
```

36         Stopped and is the default.
37         : EXITMSG will be printed prior to exiting if it is non-
38         null.
39     --status filename.txt : Write status information into this file
40     --cwd dir             : Set Current working directory
41     --servicelog          : Enable usage of the servicelgger for internal errors
42     """"
43     import json
44
45     import os
46     import sys
47     import time
48     import optparse
49     import threading
50
51     # Relative imports
52
53     # First make sure the version of python is supported
54     import checkpythonversion
55     checkpythonversion.ensure_python_version_is_supported()
56
57     import safe
58     import nanny
59
60     #usercontext["listfiles"] = emulfile.listfiles
61     #usercontext["removefile"] = emulfile.removefile
62     #usercontext["exitall"] = emulmisc.exitall
63     #usercontext["createlock"] = emulmisc.createlock
64     #usercontext["getruntime"] = emulmisc.getruntime
65     #usercontext["randombytes"] = emulmisc.randombytes
66     #usercontext["createthread"] = emultimer.createthread
67     #usercontext["sleep"] = emultimer.sleep
68     #usercontext["getthreadname"] = emulmisc.getthreadname
69     usercontext["createvirtualnamespace"] = virtual_namespace.createvirtualnamespace
70     usercontext["getlasterror"] = emulmisc.getlasterror
71
72     usercontext["json_parse"] = json.loads
73
74     # call the initialize function
75     usercontext['callfunc'] = 'initialize'
76     usercontext['callargs'] = args[:]
77
78     return usercontext
79
80 def execute_namespace_until_completion(thisnamespace, thiscontext):

```

## 2. safe.py

In the built-in\_ok list, add the built-in functions that we needed.



```

395 _BUILTIN_OK = [
396     '__debug__',
397
398     'ArithmeticError', 'AssertionError', 'AttributeError', 'DeprecationWarning',
399     'EOFError', 'Ellipsis', 'EnvironmentError', 'Exception', 'False',
400     'FloatingPointError', 'FutureWarning', 'IOError', 'ImportError',
401     'IndentationError', 'IndexError', 'KeyError', 'KeyboardInterrupt',
402     'LookupError', 'MemoryError', 'NameError', 'None', 'NotImplemented',
403     'NotImplementedError', 'OSError', 'OverflowError', 'OverflowWarning',
404     'PendingDeprecationWarning', 'ReferenceError', 'RuntimeError', 'RuntimeWarning',
405     'StandardError', 'StopIteration', 'SyntaxError', 'SyntaxWarning', 'SystemError',
406     'SystemExit', 'TabError', 'True', 'TypeError', 'UnboundLocalError',
407     'UnicodeDecodeError', 'UnicodeEncodeError', 'UnicodeError',
408     'UnicodeTranslateError', 'UserWarning', 'ValueError', 'Warning',
409     'ZeroDivisionError',
410
411     'abs', 'bool', 'cmp', 'complex', 'dict', 'divmod', 'filter', 'float',
412     'frozenset', 'hex', 'id', 'int', 'len', 'list', 'long', 'map', 'max', 'min',
413     'object', 'oct', 'pow', 'range', 'reduce', 'repr', 'round', 'set', 'slice',
414     'str', 'sum', 'tuple', 'xrange', 'zip', 'id',
415
416     #Added for repyv2
417     'isinstance', 'BaseException', 'WindowsError', 'type', 'issubclass',
418     'ord', 'chr', 'hasattr', '__import__', 'open', 'enumerate', 'unicode'
419 ]

```

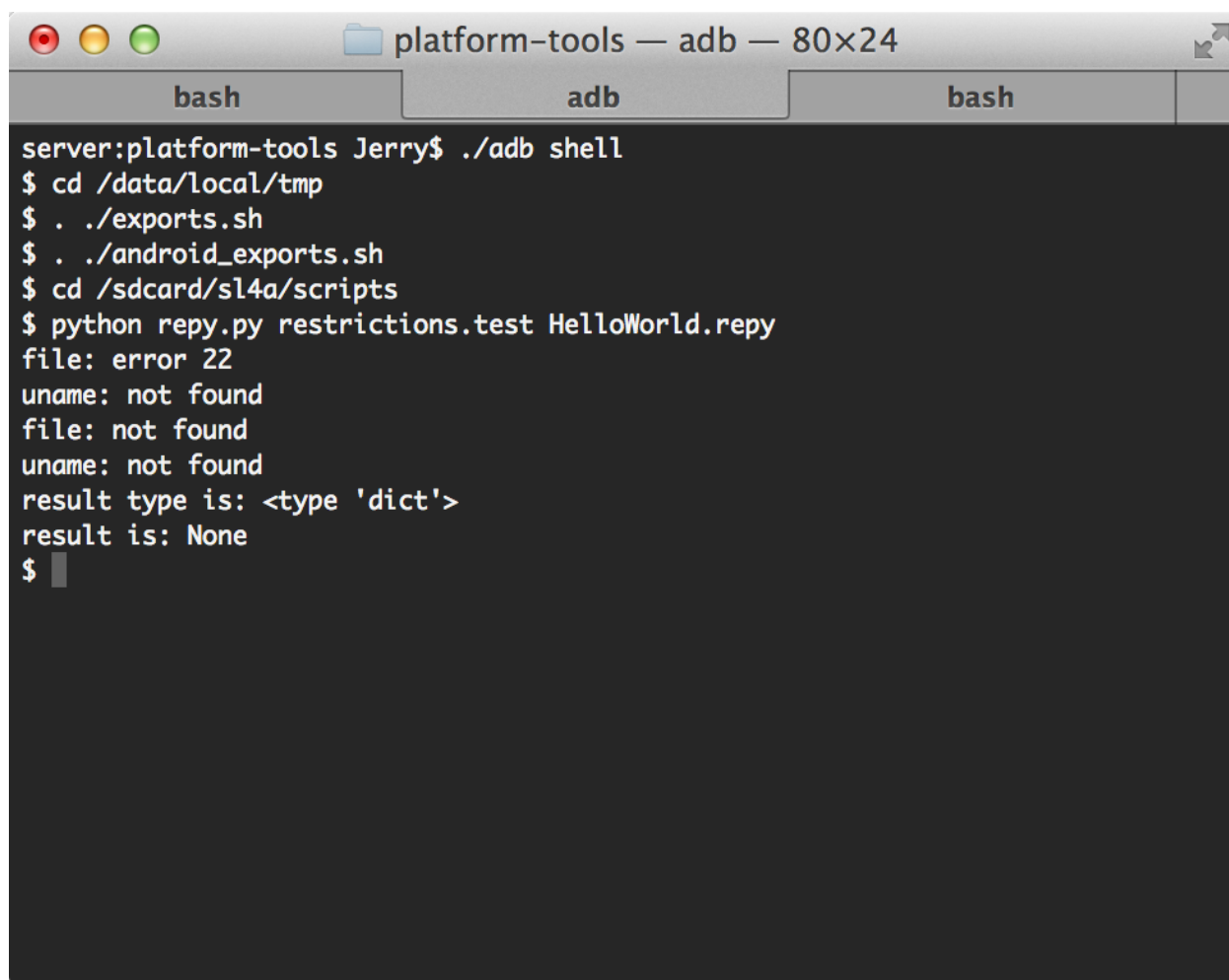
Then write a test code, push it on our phone and run it.



```

1 parse_string = '{"error":"java.io.IOException: Unable to parse response from
2   server","id":0,"result":null}'
3 result = json_parse(parse_string)
4 log("result type is:", type(result), "\n\r")
5 log("result is:", result['result'], "\n\r")

```



A terminal window titled "platform-tools — adb — 80x24" with three tabs labeled "bash", "adb", and "bash". The terminal shows a series of commands and their outputs in a dark background with light-colored text.

```
server:platform-tools Jerry$ ./adb shell
$ cd /data/local/tmp
$ . ./exports.sh
$ . ./android_exports.sh
$ cd /sdcard/sl4a/scripts
$ python repy.py restrictions.test HelloWorld.repy
file: error 22
uname: not found
file: not found
uname: not found
result type is: <type 'dict'>
result is: None
$
```