```
1: #! /usr/bin/env python
2: # -*- coding: utf-8 -*-
 4: import sys
 6: class MyFirstClass(object):
7: """My First Class, Copyright 2013 AOKI Atsushi, All rights reserved."""
 8.
 9:
         def __init__(self, a_string):
10:
             print
             self._data = a_string
11:
12:
             return
13.
        def print_data(self):
    print self._data
14:
15:
16:
             return
17:
       def __enter__(self):
    print "__enter__"
    return self
18:
19:
20:
21:
        def __exit__(self, type, value, traceback):
    print "__exit__"
22:
             return
23:
24:
25:
26: def main():
27:
28:
        a_string = sys.argv[1]
except IndexError:
   a_string = "hello world"
29:
30:
31:
32:
         # 通常のオブジェクト指向プログラミング:インスタンスを作って、それに対してメッセージを送信する。
33:
34:
         print "start'
35:
        an_instance = MyFirstClass(a_string)
an_instance.print_data()
36:
37:
38:
         print "end"
39:
40:
41:
         # with…as…構文は、本処理を行う前に__enter__を実行し、そして、行った後に__exit__を実行する。
         print "start'
42:
43:
44:
         with MyFirstClass(a_string) as an_instance:
             message_send = an_instance.print_data
message_send()
45:
46:
47:
             print an_instance.__doc__
48:
49:
        print "end"
50:
51:
         return
52:
53: if __name__ == "__main__":
         sys.exit(main())
55:
```

```
55: #! /usr/bin/env python
56: # -*- coding: utf-8 -*-
57.
58: import subprocess
59: import sys
60:
61: def main():
62.
        # もっとも簡単な例(1)
63:
        result = subprocess.call('ls -l', shell=True)
64:
65:
        print result
66:
        # もっとも簡単な例(2)
67
        result = subprocess.call('date "+%Y/%m/%d %H:%M:%S"', shell=True)
68:
69:
        print result
70:
71:
        #標準出力と終了ステータスを取得する例(1)
72:
        result = subprocess.check_output('ls -l', shell=True)
except subprocess.CalledProcessError as an_error:
    return_code = an_error.returncode
73:
74:
75:
76:
        else:
77:
            return_code = 0
78:
             print result,
79:
        print return_code
80:
81:
        #標準出力と終了ステータスを取得する例(2)
82:
83:
            result = subprocess.check_output('date "+%Y/%m/%d %H:%M:%S"', shell=True)
84:
        except subprocess.CalledProcessError as an_error:
85:
             result = None
86:
             return_code = an_error.returncode
87:
        else:
88:
             return_code = 0
89:
             print result.
        print return_code
90:
91:
        # プロセスを作って、標準出力と標準エラーと終了ステータスを取得する例(1)
92:
        a_process = subprocess.Popen('ls -l'
93:
94:
                                        stdin=subprocess.PIPE,
95:
                                        stdout=subprocess.PIPÉ,
96:
                                        stderr=subprocess.PIPE,
                                        shell=True)
97:
98:
        return_code = a_process.wait()
99:
        result = a_process.stdout.readlines()
100:
        error = a_process.stderr.readlines()
for each in result: print each,
101:
102:
        for each in error: print each,
103:
        print return_code
104:
        # プロセスを作って、標準出力と標準エラーと終了ステータスを取得する例(2)
105:
        a_process = subprocess.Popen('date "+%Y/\%m/\%d \%H:\%M:\%S"
106:
                                        stdin=subprocess.PIPE,
107
108:
                                        stdout=subprocess.PIPÉ,
                                        stderr=subprocess.PIPE,
109:
110:
                                        shell=True)
111:
        return_code = a_process.wait()
112:
        result = a_process.stdout.readlines()
113:
        error = a_process.stderr.readlines()
        for each in result: print each, for each in error: print each,
114:
115:
116:
        print return_code
117:
118:
        return 0
120: if __name__ == "_
                       __main__":
        sys.exit(main())
```