

06/14/17 05:36:55 /home/zz/Documents/TIPE/src/Logger/ConsoleLogger.py

```
1  #!/usr/bin/python3.4
2  # -*-coding:Utf-8 -*
3
4  from shutil import get_terminal_size
5
6  from .AbstractLogger import AbstractLogger
7  from lib.inherit_docstring import inherit_docstring
8  from src.meta.ABCInheritableDocstringsMeta import ABCInheritableDocstringsMeta
9
10
11  class ConsoleLogger(AbstractLogger, metaclass=ABCInheritableDocstringsMeta):
12      """Log Generator events into a file """
13
14      def __init__(self):
15          self.first_line = False
16          self.last_line = False
17
18      def onProcessusResume(self, event):
19          self.first_line = True
20          super().onProcessusResume(event)
21
22      def onProcessusStart(self, event):
23          self.first_line = True
24          super().onProcessusStart(event)
25
26      def onProcessusDone(self, event):
27          self.last_line = True
28          super().onProcessusDone(event)
29
30
31      @inherit_docstring
32      def write(self, msg):
33          msg = ' ' + msg
34          length = get_terminal_size()[0]
35          msg = msg[:length]
36          print(('\\n' if not self.first_line else '') + msg, end=(' ' if not self.last_line else '\\n'), flush=True)
37          self.first_line = False
38
39
40      @inherit_docstring
41      def overwrite(self, msg):
42          msg = ' ' + msg
43          length = get_terminal_size()[0]
44          msg = msg[:length]
45          print('\\r' + msg + (length-len(msg)) * ' ', end='', flush=True)
```