



链滴

Python-CookBook: 35、以固定的列数重新格式化文本

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问题

我们有一些很长的字符串，想将它们重新格式化，使得它们能按照用户指定的列数来显示。

解决方案

可以使用textwrap模块来重新格式化文本的输出。例如，假设有如下这段长字符串：

```
s = "Look into my eyes, look into my eyes, the eyes, the eyes, \
the eyes, not around the eyes, don't look around the eyes, \
look into my eyes, you're under."
```

这里可以用textwrap模块以多种方式来重新格式化字符串：

```
s = "Look into my eyes, look into my eyes, the eyes, the eyes, \
the eyes, not around the eyes, don't look around the eyes, \
look into my eyes, you're under."
```

```
print(s)
print()
```

```
import textwrap
print(textwrap.fill(s,70))
print()
```

```
print(textwrap.fill(s,40))
print()
```

```
print(textwrap.fill(s,40,initial_indent=' '))
print()
```

```
print(textwrap.fill(s,40,subsequent_indent=' '))
```

输出：

```
Look into my eyes, look into my eyes, the eyes, the eyes, the eyes, not around the eyes, don't
ook around the eyes, look into my eyes, you're under.
```

```
Look into my eyes, look into my eyes, the eyes, the eyes, the eyes,
not around the eyes, don't look around the eyes, look into my eyes,
you're under.
```

```
Look into my eyes, look into my eyes,
the eyes, the eyes, the eyes, not around
the eyes, don't look around the eyes,
look into my eyes, you're under.
```

```
Look into my eyes, look into my eyes,
the eyes, the eyes, the eyes, not around
the eyes, don't look around the eyes,
look into my eyes, you're under.
```

```
Look into my eyes, look into my eyes,
```

the eyes, the eyes, the eyes, not
around the eyes, don't look around the
eyes, look into my eyes, you're under.

讨论

`textwrap`模块能够以简单直接的方式对文本格式做整理使其适合于打印——尤其是当希望输出结果能好地显示在终端上时。关于终端的尺寸大小，可以通过`os.get_terminal_size()`来获取。例如：

```
>>> import os
>>> os.get_terminal_size().columns
80
>>>
```

`fill()`方法还有一些额外的选项可以用来控制如何处理制表符、句号等。请参阅`textwrap.TextWrapper`类的文档 (<http://docs.python.org/3.3/library/textwrap.html#textwrap.TextWrapper>) 以获得进一步的细节。