

对于本课程的编程任务，我们提供了一种可选的方式来开发和测试你的实现，即使用 [Terminal](#)。注意我们不是在主站点(Terminal.com)来使用，而是在一个专门为我们这门课注册的二级域名下使用。[Terminal](#) 是一个在线的计算平台，允许我们使用预先配置的命令行环境。请注意，我们不是使用 [Terminal](#) 站点来提交你的编程任务，而是将配置好的依赖和开发工具包提供给你使得你的开发更便利。

本教程列举了使用 Terminal 来让你提交的任务成功运行必须的步骤。首先，[注册一个自己的账户](#)，是用你刚创建的账户来登录 [Terminal](#)。

对于每一次编程任务，网站都会提供给你一个链接来分享你的任务截图/快照，这些截图/快照都是通过启动代码来预编译好的命令行环境，你可以编写和实现这些启动代码。下方是2015年编程任务中的一个快照/截图示例：

The screenshot displays the Terminal.com web interface. At the top, there's a navigation bar with 'Terminal' and links for 'My Terminals', 'My Snaps', and 'Public Snaps'. The user 'zyk0902' is logged in with a balance of '\$ 5.00'. The main content area shows a terminal snapshot titled 'CS231N-A1' by 'yukez' from 'Jan 7 2015'. The snapshot description is 'Assignment #1 of CS231N Winter 2014-15'. It has tags for 'python notebook', 'python', 'NBview', 'Python Notebook', and 'Terminal Notebook'. A 'Share' button is visible. Below the snapshot, there's a 'Leave a comment' section with a text input and a 'Post' button. On the right, a 'Start a Terminal' modal is open, showing configuration options: 'Terminal Name' (CS231N-A1), 'medium' (selected), 'CPUs' (2), 'RAM (GB)' (3.2), 'Disk (GB)' (10), and 'Price (\$/hr)' (0.124). There are checkboxes for 'Start as Temporary Terminal' and 'Auto-pause' (checked). A red box highlights the 'Start' button at the bottom of the modal.

如图所示，点击右下角的"开始Start"按钮Click the "Start"，你的账户中就会有这些分享的截图/快照。在 [My Terminals](#) 下找到你的终端(terminal)。

## My Terminals

Manage Custom Domains

Create a Terminal

Select one or more Terminals to:

Pause

Resume

Restart

Delete

Security

Idle Settings

<input type="checkbox"/>	Link	Name	Status	Type ?	CPU's	RAM (MB)	Disk (GB)	Options	\$/hour
<input type="checkbox"/>	<a href="#">zyk09021</a>	CS231N-A1	running	medium	2	3200	10	<a href="#">Snapshot</a> <a href="#">⚙️</a>	\$0.124
									Total: \$0.124

Yours will look similar. You are all set! 点击指向你的终端(terminal)的链接 (图中的红框), 来工作在你的终端上。这个链接就会打开在AWS 服务器(Amazon Web Services 亚马逊网络服务, machine)的用户交互界面。看起来界面会和以下类似:

The screenshot shows the AWS SageMaker console interface. At the top, there's a header with the user 'zyk09021' and various settings. Below this, the 'My Terminals' section displays a table of active terminals. The first terminal, 'CS231N-A1', is in a 'running' state. A red box highlights the 'Link' column for this terminal, which contains the text 'zyk09021'. Below the table, the 'Total: \$0.124' is shown. The main part of the screenshot shows the Jupyter Notebook interface. On the left, there's a file explorer showing the contents of the 'assignment1-master' directory, including 'cs231n', 'README.md', 'features.ipynb', 'knn.ipynb', 'softmax.ipynb', and 'svm.ipynb'. The main area of the notebook shows the terminal output of the 'ls' command, listing the same files. A red box highlights the 'assignment1-master' link in the notebook's file list, which is the same link as the one in the terminal table.

在终端中已经为你准备好了Jupyter Notebook和其他依赖项。通过小 + 号来新建一个控制台窗口(如果之前没有创建过的话), 还能浏览和查找编程任务的文件夹和代码。启动一个Jupyter Notebook在上面完成你的编程任务。如果你是参见本门课程的同学, 你将通过 Coursework 来提交你的编程任务:

关于terminal的更多请阅读 [Terminal 文档](#), 以及其 [问答 FAQ](#) 页面。

**重要提示:** 终端(Terminal)的是用基于运行的实例，按照小时来计费。一个中等大小的示例的花费是**每小时0.124美元 (0.7元, 人民币)**。如果你已经报名了本门课程，请发送邮件给Serena Yeung ([syyeung@cs.stanford.edu](mailto:syyeung@cs.stanford.edu)) 来获取资助，我们第一次会发送给你 3 美元助学金，假如用完的话，还可以继续索取。请好好利用我们给予你的资金支持。