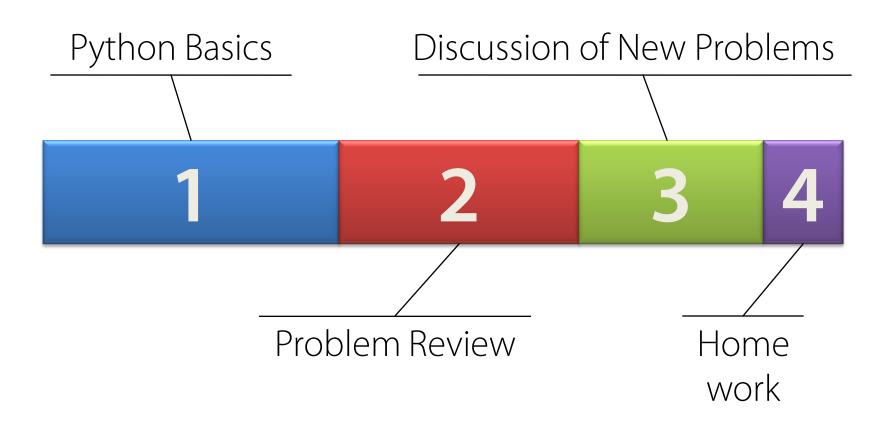
102-1 生物資訊程式設計 Bioinformatics Programming 2013 07/18

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Outline



Tips for Canopy

Tips for Canopy

Save the file (Ctrl-S) Run the file (Ctrl-R) Change working directory Editor Search Run Tools File Edit <u>H</u>elp 📑 🔒 | # 🗇 🛍 Python C:\\Users\\Joey × *untitled-1 1 print 'hello world' Welcome to Canopy's interactive data-analysis environment! with pylab-backend set to: qt Type '?' for more information. In [1]: %run "c:\users\joey\appdata\local\temp\tmpdwtoqs.py" hello world Tools Window Help In [2]: Search Console can be restarted Editor - Canopy Run File Ctrl+R 23 <u>E</u>dit <u>V</u>iew <u>S</u>earch <u>R</u>un Run Selection Ctrl+Shift+R ba ello w Interrupt Kernel test.py 🔣 Python ey X Restart Kernel... Ctrl+ with pylab-backend set to: qt 1 print 'hello world' In [1]: %run " Type '?' for more information. In [1]: %run "c:\users\joey\appdata\local\temp\tmpdwtoqs.py" hello world In [2]: %run F:/temp/test.py Execute an existing Python script hello world file (usually ends w/ .py)

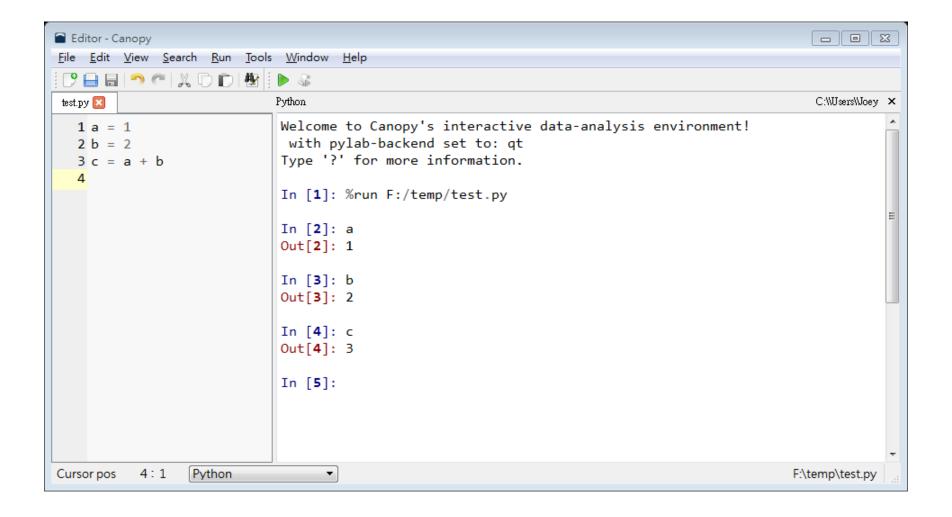
Tips for the Canopy console (iPython)

In [2]: pwd

In [**6**]:

```
Out[2]: u'C:\\Users\\Joey'
               File system Operation
In [3]: cd ...
C:\Users
                                                                  Looking for documents
In [4]: cd ...
                               In [9]: range?
C:\
                                           builtin function or method
                                Type:
                                String Form: <built-in function range>
In [5]: ls
                                Namespace: Python builtin
 磁碟區 C 中的磁碟沒有標籤。
                                Docstring:
                                range([start,] stop[, step]) -> list of integers
 磁碟區序號:
            3801-115E
                                Return a list containing an arithmetic progression of integers.
C:\ 的目錄
                                range(i, j) returns [i, i+1, i+2, ..., j-1]; start (!) defaults to 0.
                                When step is given, it specifies the increment (or decrement).
2013/06/18
           上午 10:57
                        <DIR>
                                For example, range(4) returns [0, 1, 2, 3]. The end point is omitted!
           下午 04:02
2013/03/09
                        <DIR>
                                These are exactly the valid indices for a list of 4 elements.
2009/07/14
           上午 11:20
                        <DIR>
2013/04/17
           下午 05:05
                        <DIR>
                                       Perl
                                                                  Open the file in Editor
2013/06/27
           上午 10:14
                        <DIR>
                                       Program Files
2013/07/14
           下午 08:49
                        <DIR>
                                       Program Files (x86)
2013/05/02
           下午 04:12
                        <DIR>
                                       Python27
                                                                  In [13]: edit test.py
           上午 12:12
2013/03/08
                        <DIR>
                                       Users
           上午 10:33
2013/06/21
                                       Windows
                        <DIR>
                                                                  In [14]: ed test.py
              6 個檔案
                                    ② 位元組
                       71,477,035,008 位元組可用
                                                                  In [15]: ?
```

Tips for runtime debugging



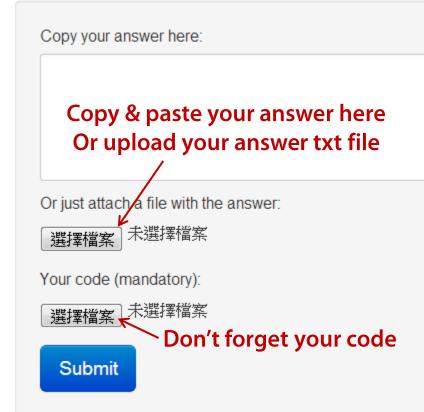
Tips for Rosalind

Working with Files

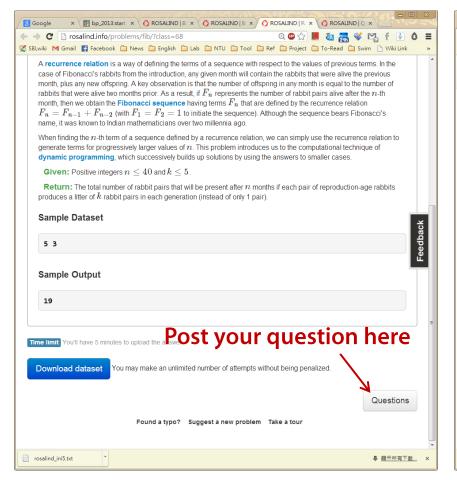
Make sure you know the file path of the download dataset

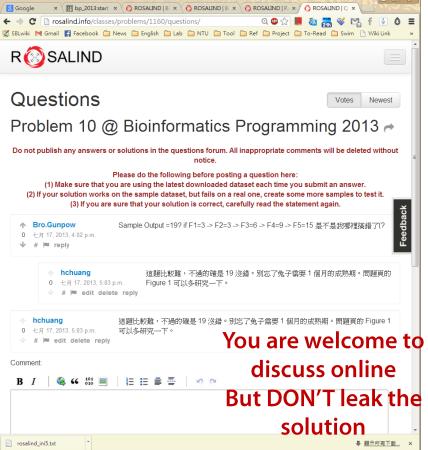
Copy the Download current dataset again downloaded dataset to your Answer submissio working directory Copy your answer here: Or specify the full path when you 開啟(O) open the 永遠開啟這類檔案(A) downloaded file 在資料夾中顯示(S) 取消(C) with the answer rosalind_ini5.txt

Answer submission 00:42



Looking for help?





Q&A

Example solutions will be provided after the deadline

We will also review the problems in the next class

In general, we will assign more problems in Thursday

It's fine to miss a class, but you should catch up our progress before next class

