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

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生物資訊程式設計 2013

- 學分數：2
- 時　間：週二, 週四, 上午10~12 下午 2~4
- 地　點：圖資大樓401
- 授課系級：生物醫學資訊所
- 授課教師：黃宣誠(下午)、鍾翊方(上午)
- 課程內容：主要為 R, Python 與 Perl 程式語言及生物資訊分析程式實作
- 選修要求：具備初級程式設計能力及基本生物資訊知識，建議曾修習過程式設計及生物資訊相關課程的學生選修
- 助教資訊：(Python) 陳卓逸、(Perl) 許家郎

Python Tutorials

Pyhton程式語言教學
請參考去年課程內容

http://u.csie.org/BioProg2012

官方教學文件

http://docs.python.org/2/tutorial/

Python Quick Reference Card

http://perso.limsi.fr/pointal/python:pqrc (Python 2.4)

http://rgruet.free.fr/PQR27/PQR2.7.html (Python 2.7)

http://u.csie.org/BioProg2012

Enthought Canopy

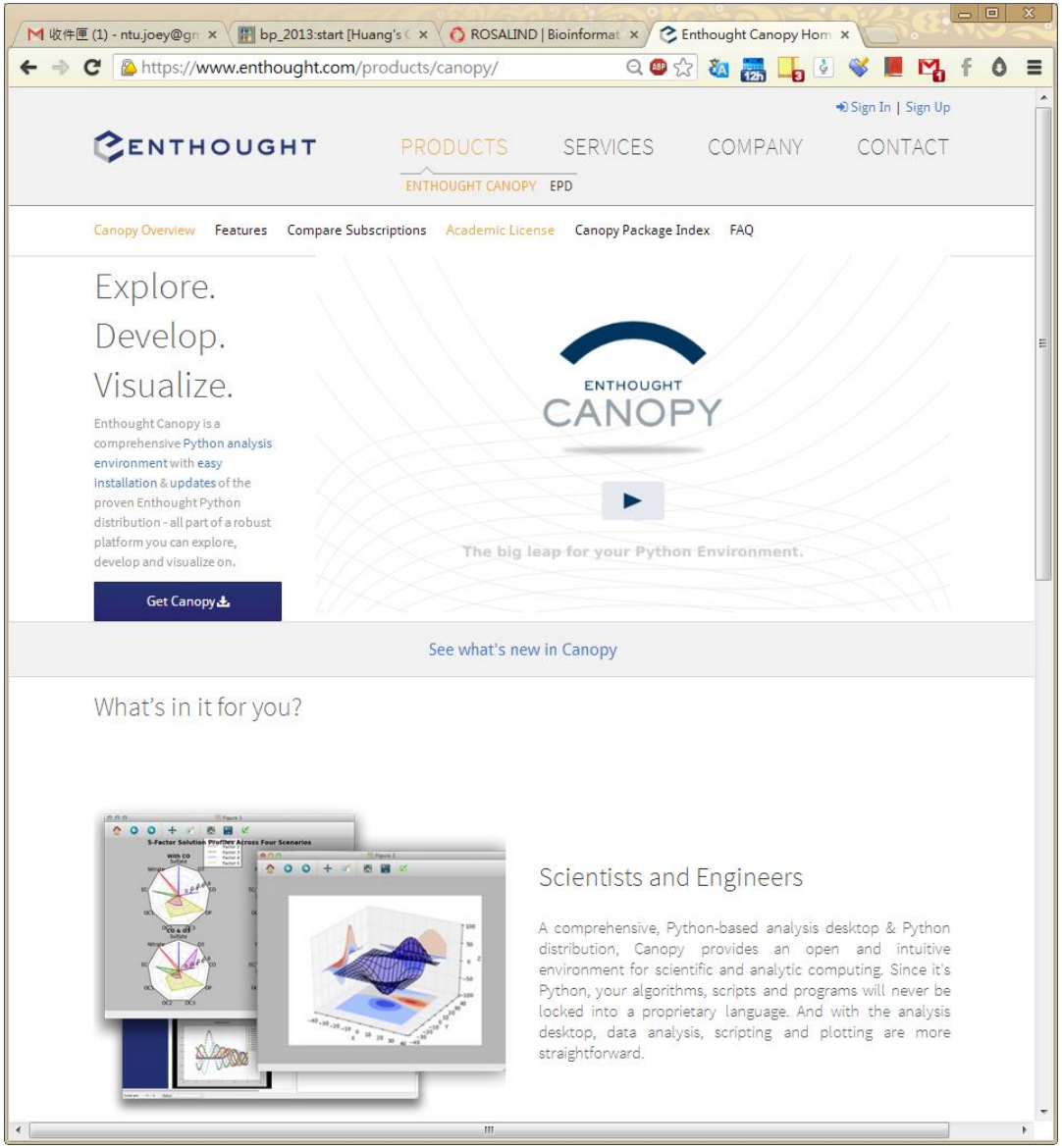
Install Python analysis environment

Enthought Canopy

Enthought Canopy is a comprehensive Python analysis environment

It includes a Python distribution with **over 100 packages** to install

The analysis environment features an **editor**, **package manager**, and **document browser**



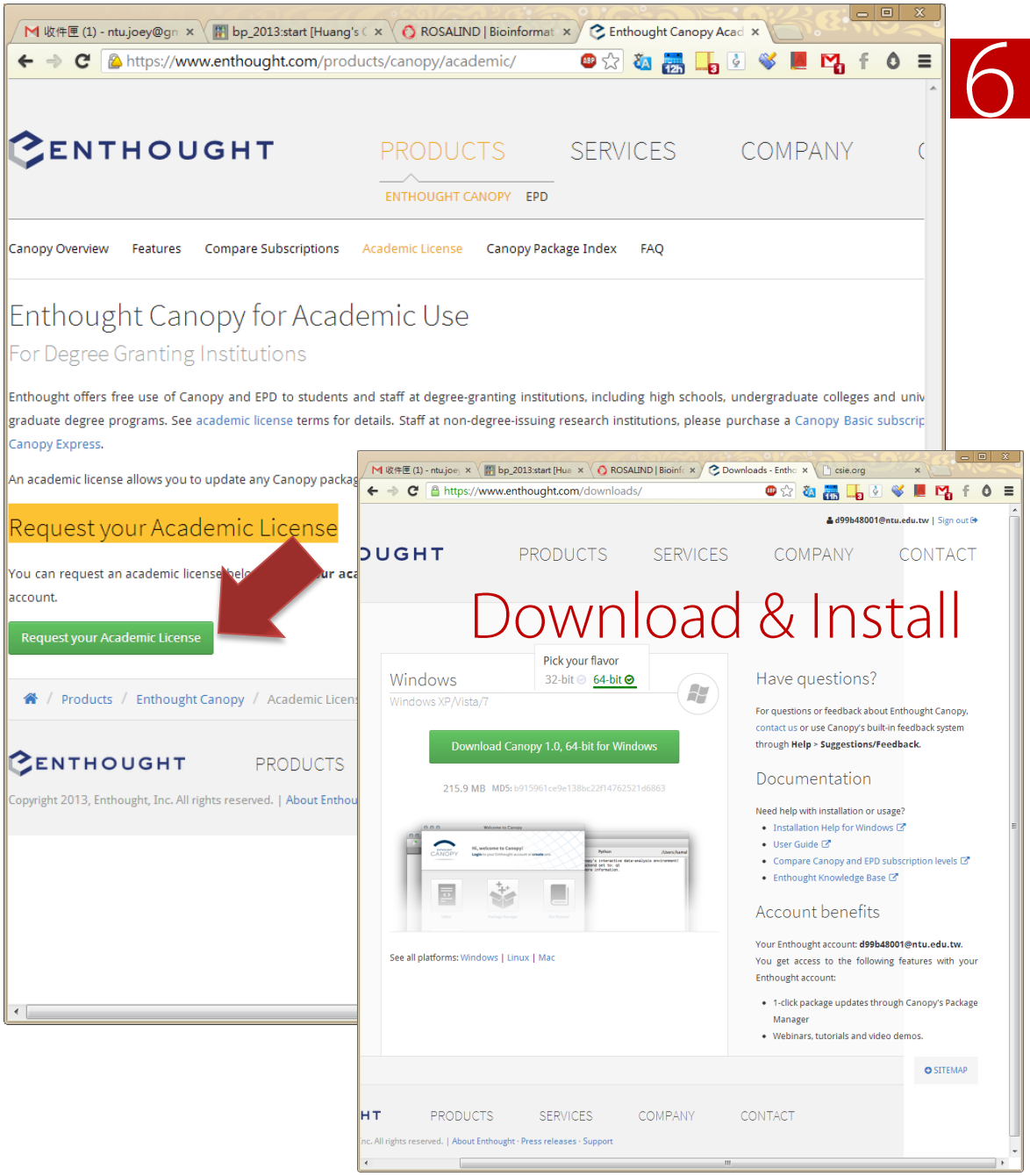
https://www.enthought.com/products/canopy/

Request your Academic License

Students at Degree-Granting Institutions can get an academic License with their **edu** email address

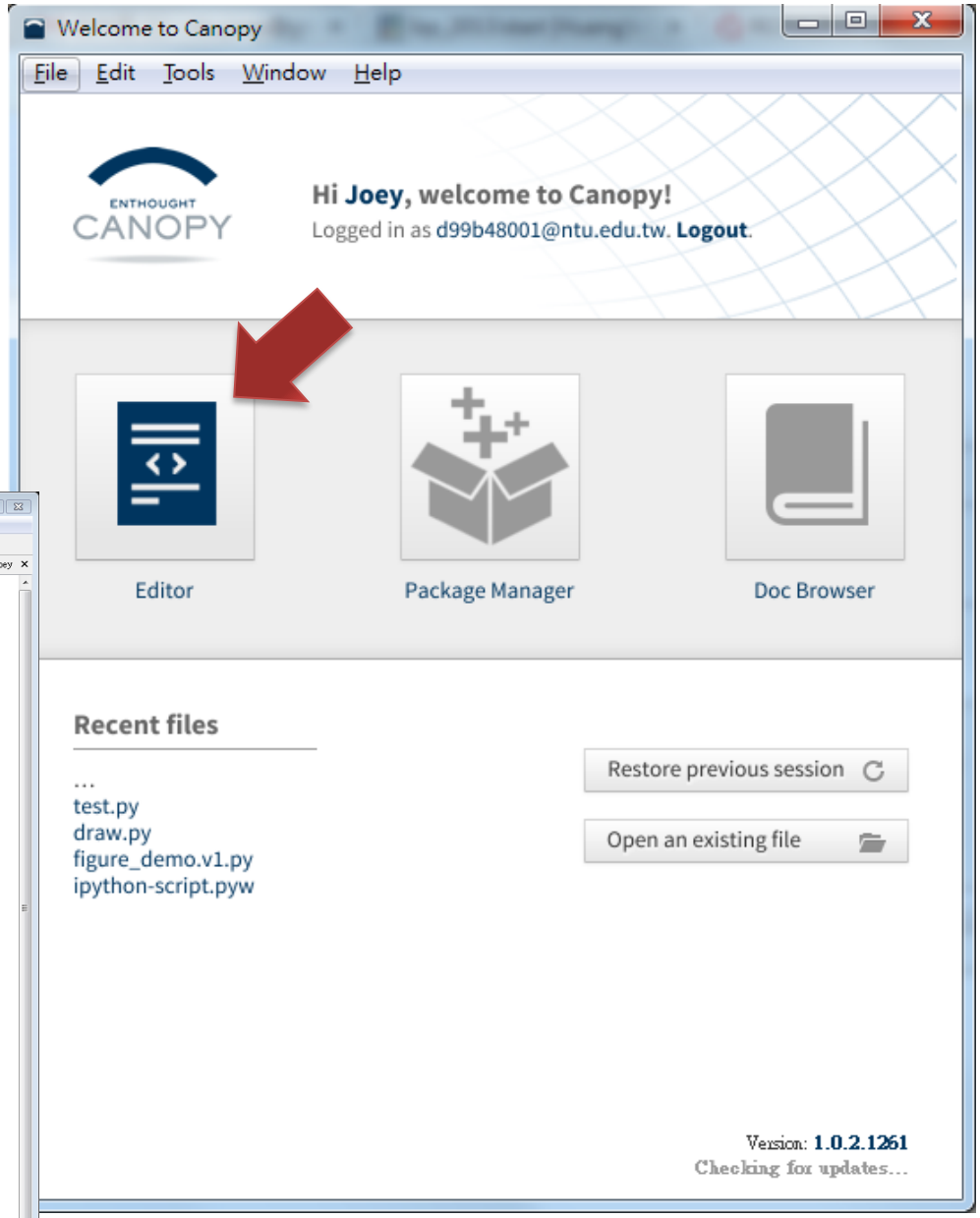
If you don't have one, try Canopy Express instead

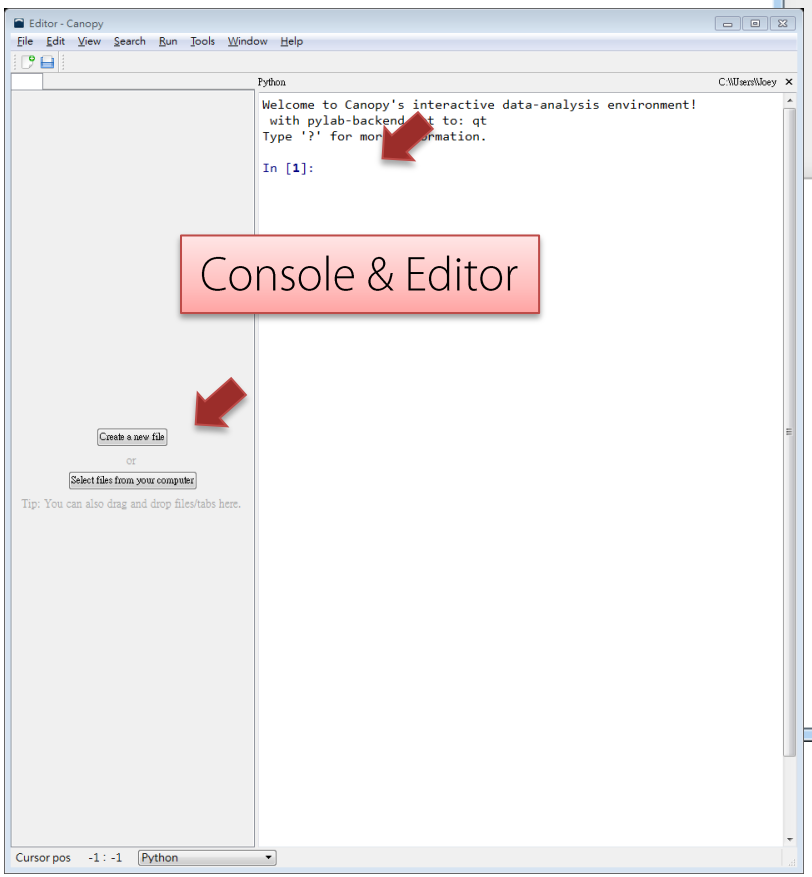
Select your platform & start the download



Start Canopy

Happy Programming!





Console & Editor

ROSALIND

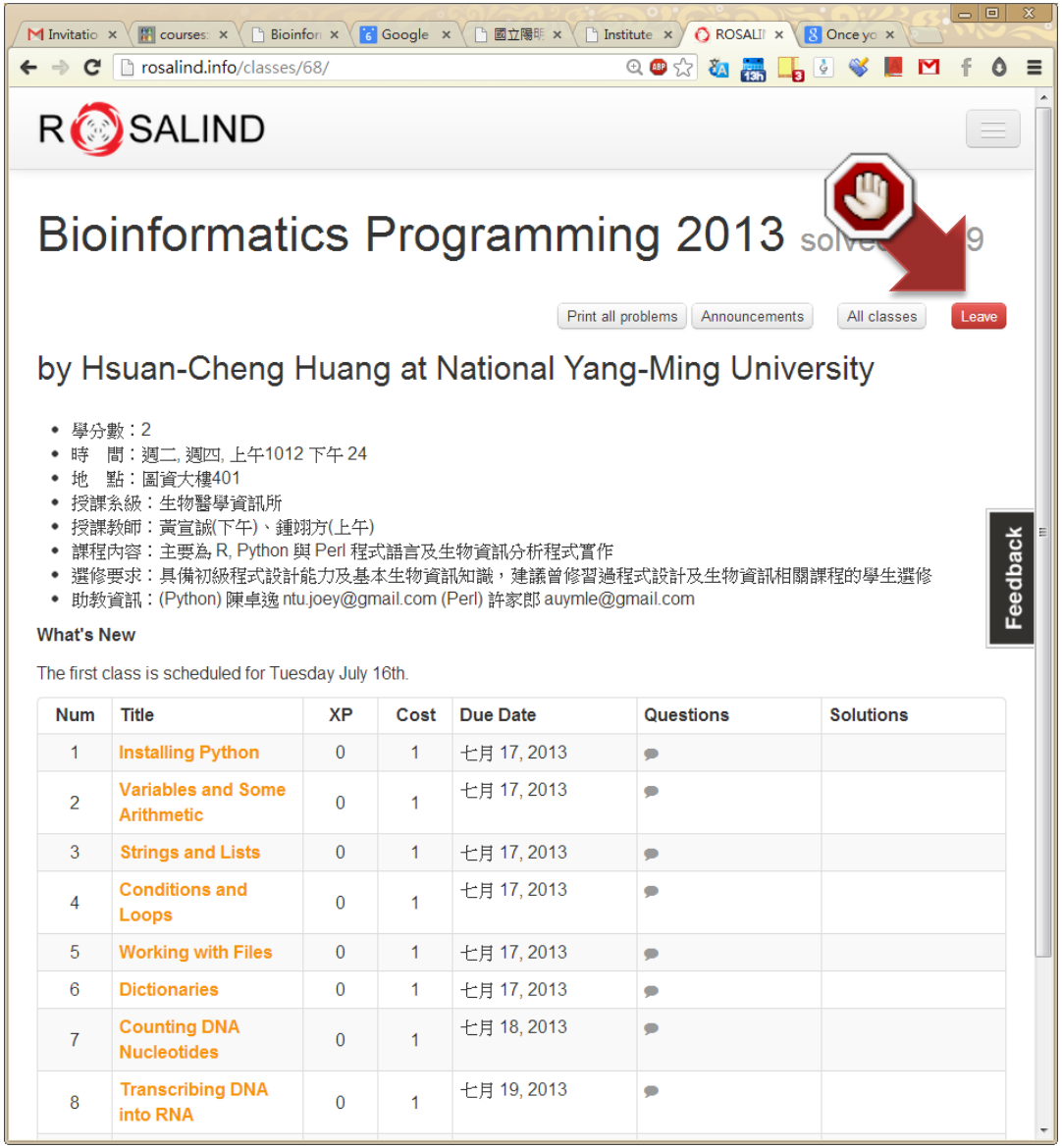
Online-judgment system

Couse Website

Now you can access our course website & start to solve the problem list

WARNING

Do not click on "**Leave**" button unless you are REALLY sure about dropping the course!



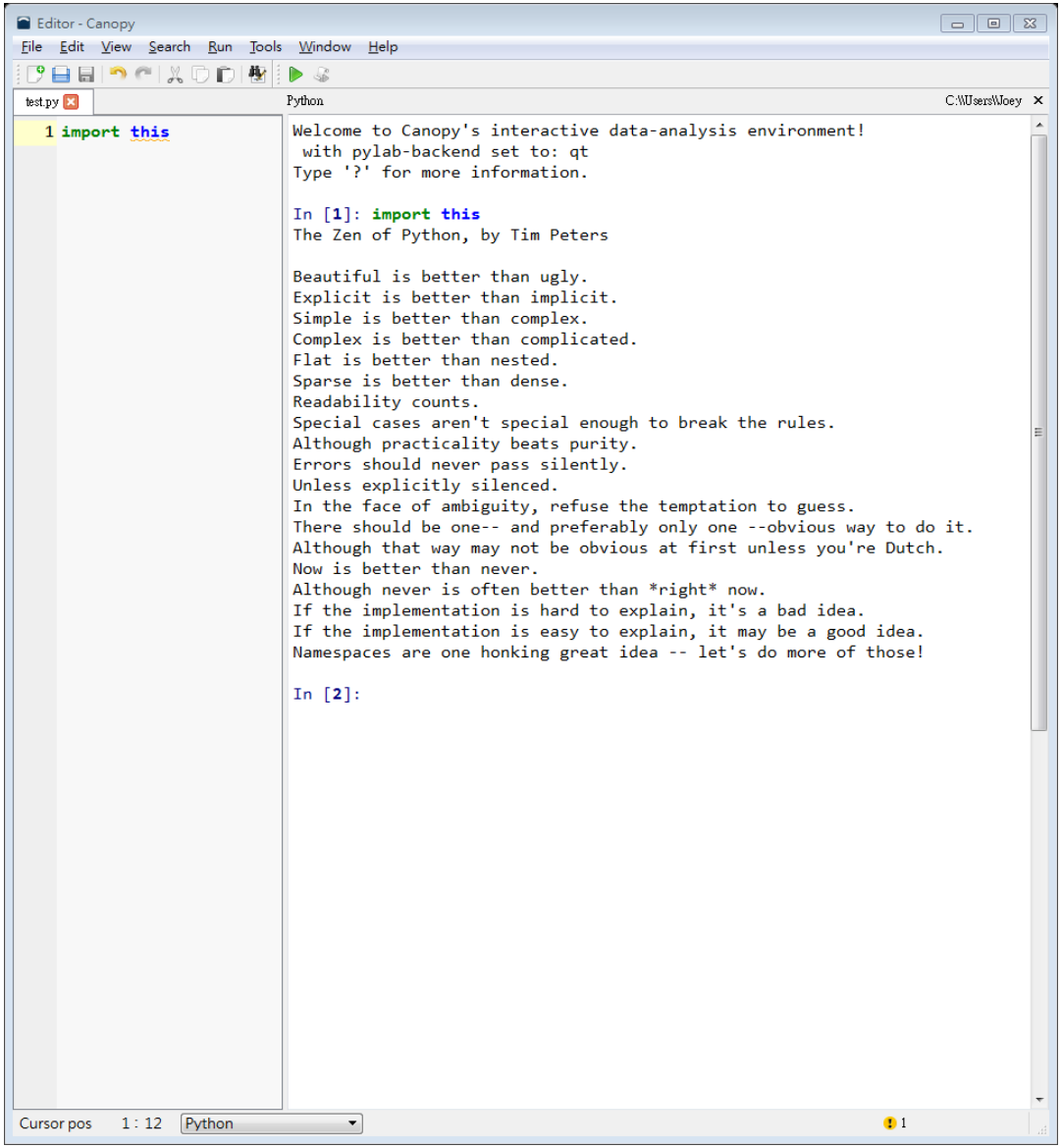
http://rosalind.info/classes/68/

Exercise 1: Installing Python

Read the background knowledge & the problem information

Start Programming

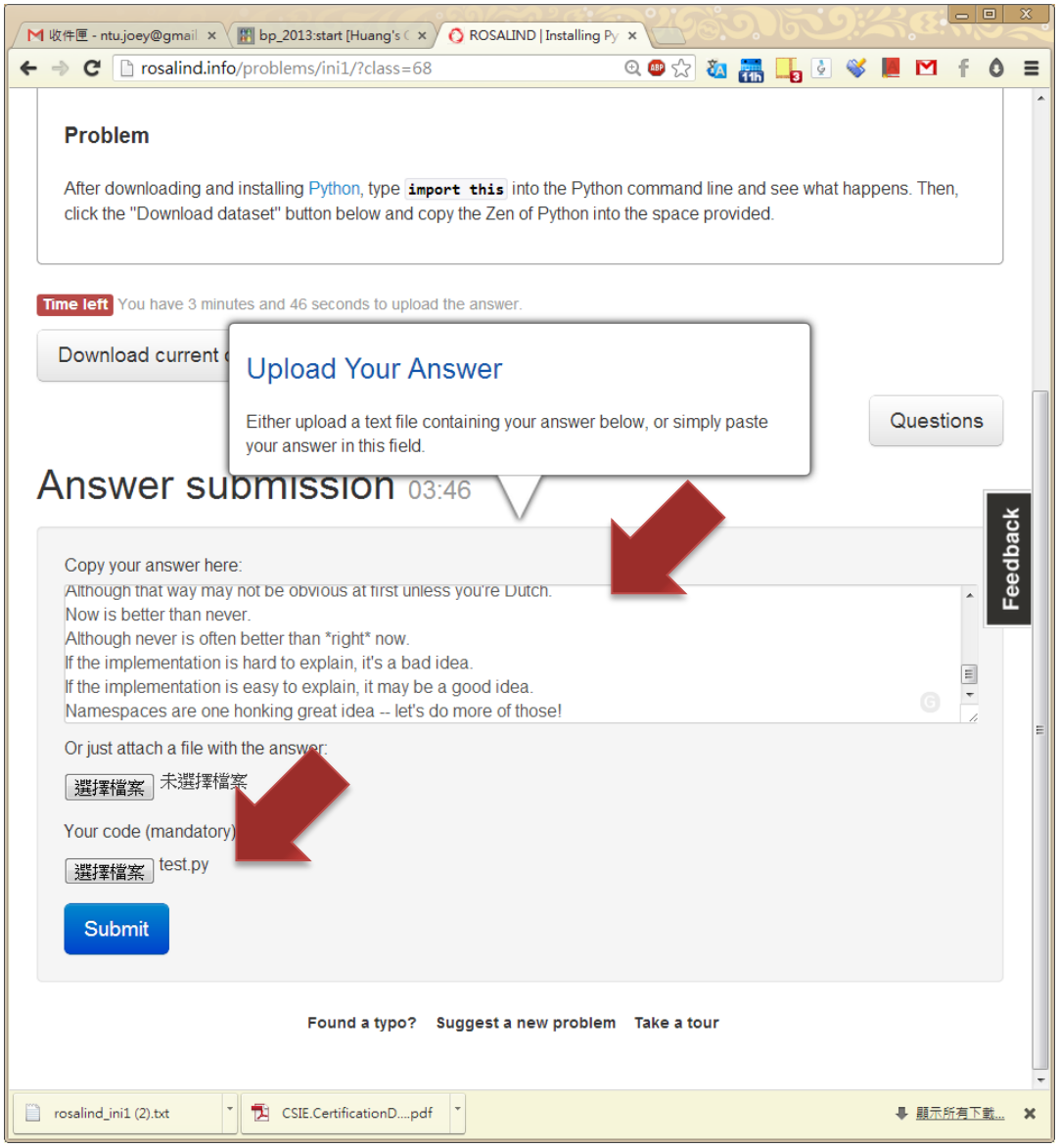
Start up your Canopy and have fun



Submit your answer

You may also ask a question by clicking on the "**Questions**" button

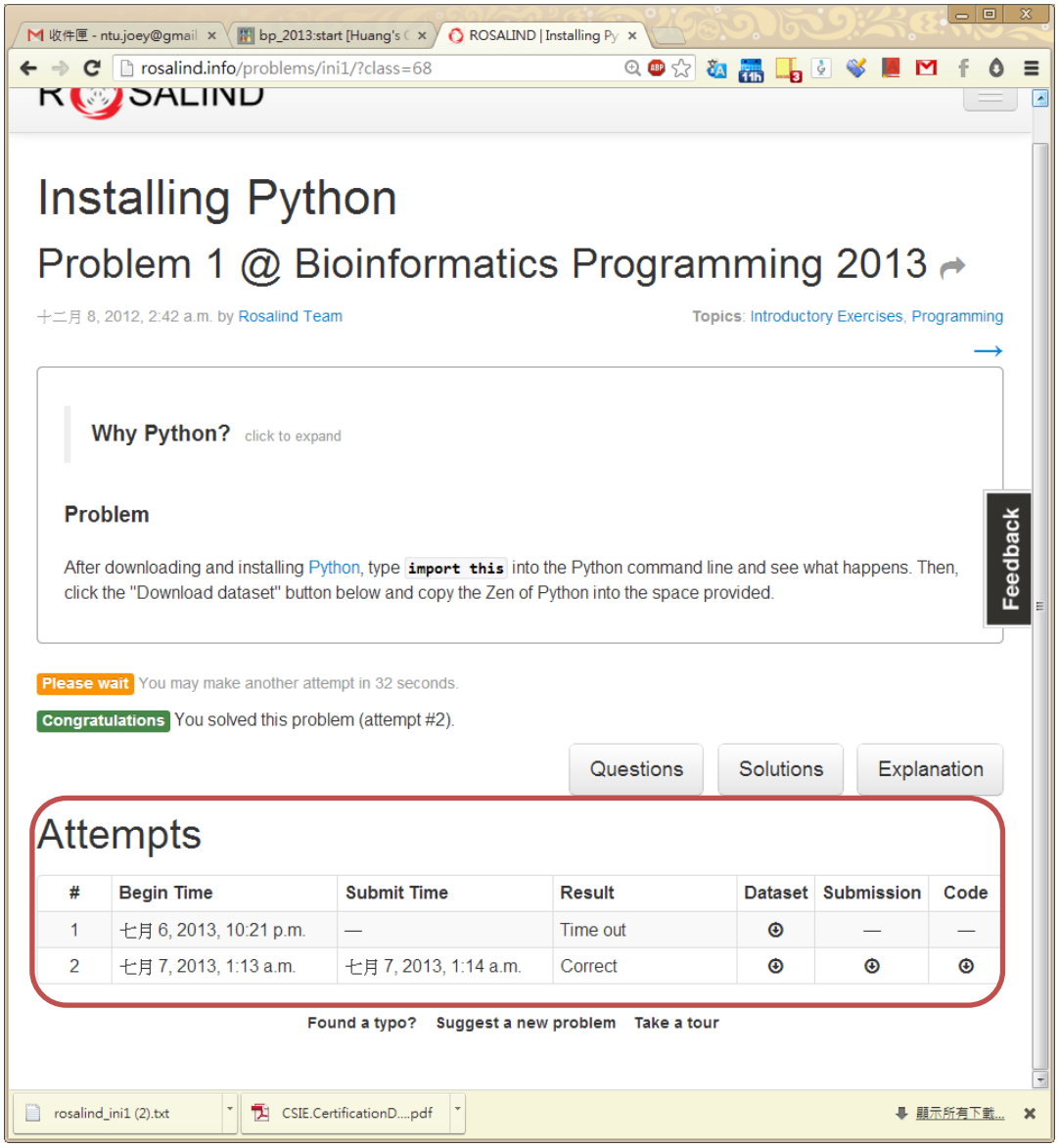
Finally, download the problem dataset and submit your **answer output** & **source code**



Judgments

You may see the judgment results after a while

If you don't get admitted, just try again later



Updated Status

You've earned a XP point

Go on & challenge next one!