CSE 337
Assignment 1
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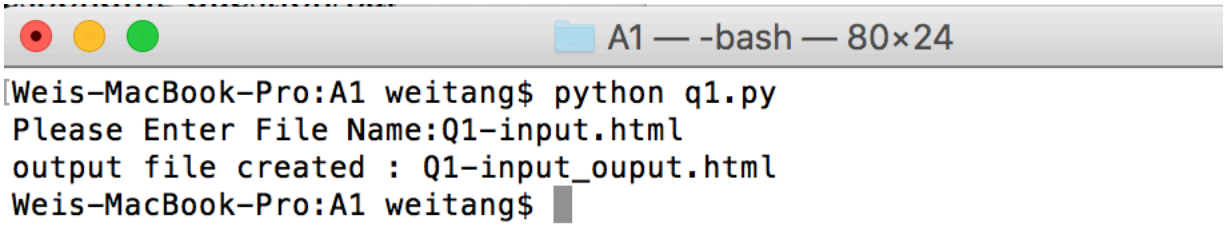
python2
MacOS

Note: All input file are in a1-source.zip. feel free to use your own file.

Q1:
Code File: q1.py
Input file: Q1-input.html

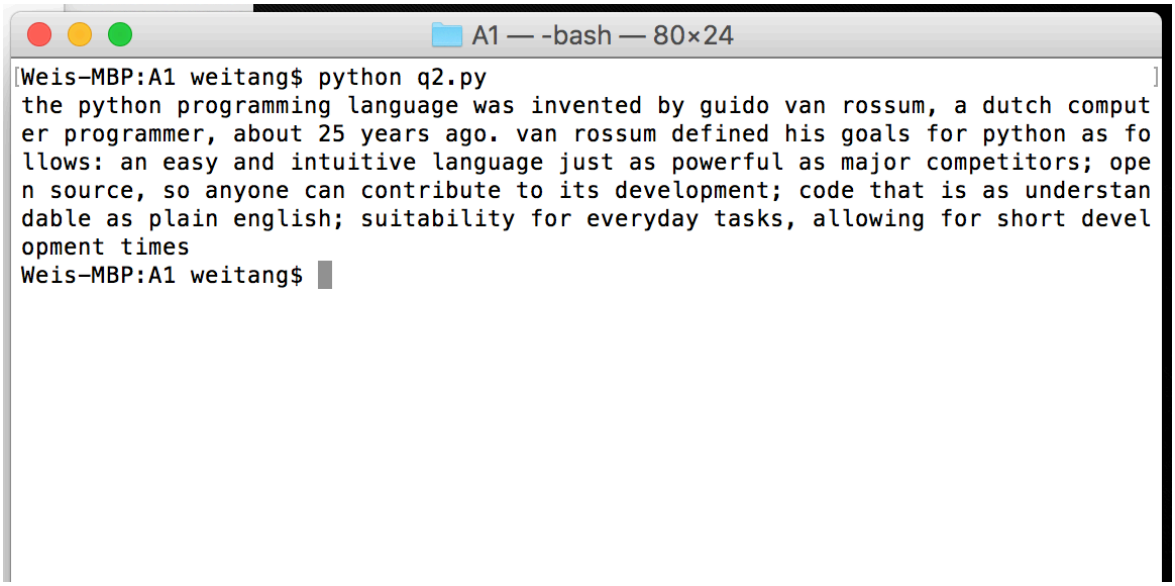
Terminal:




output file created in current directory.

Q2:
Code File: q2.py

Terminal:




decrypted context are printed to screen

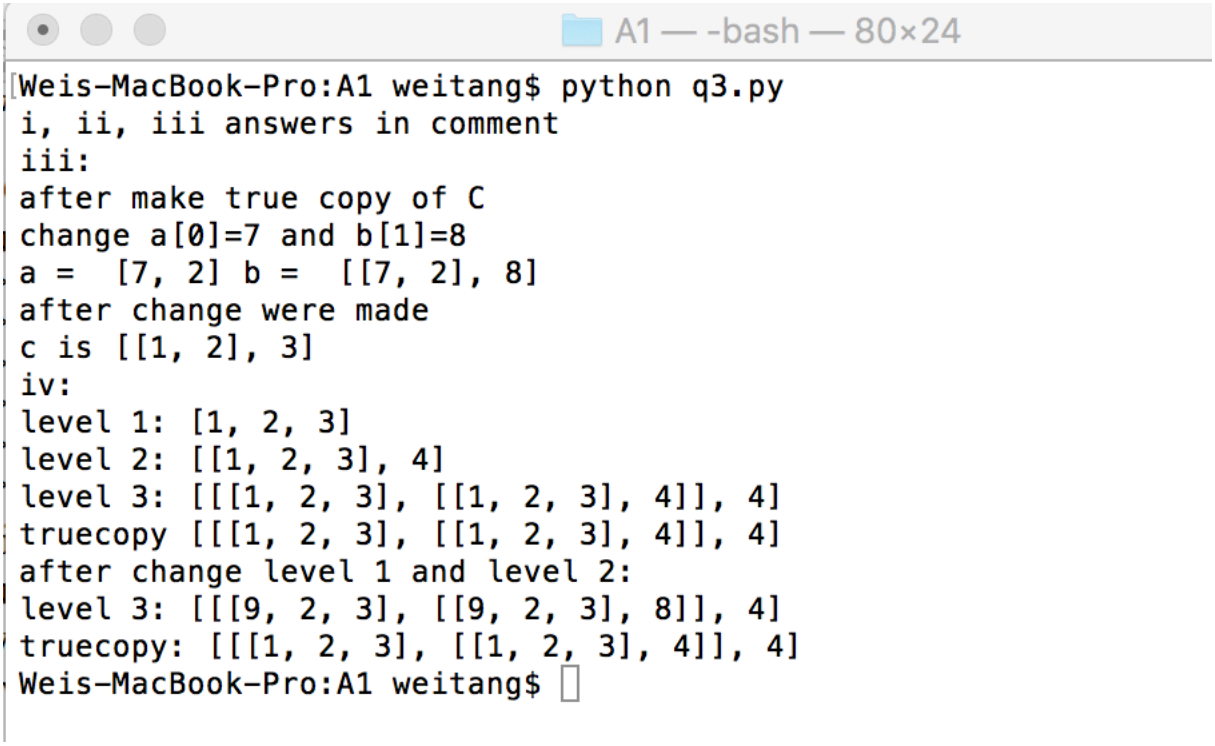
Q3:
Written answer:

i:
I predict c = [[1,2],3]

ii:
the result doesn't match my prediction.
explanation:
when using slice, only level 1 values are made true copy, so the statement
c=b[:]
only make a true copy of the value 3, doesn't make true copy of a.
a[0] = 7 would result c = [[7,2],3]
b[1] = 8 only affect b doesn't affect c

iii & iv:
see code file: q3.py
execute file using:
python q3.py

terminal:



Q4:
i:

(a):
if n = 2 and r = 1
line will be executed:
9  if n>r: break
it will break the for loop
so it will not execute the following else statement:
else:
  print "Wow, you are lucky\n"
and nothing will be printed because n < 2 doesn't hold true

(b):
if n = 1 and r = 1
line will be executed:
8  if n == r : continue
it will skip the rest of the for loop and
jump right to the next conditional test case of n = 2

(c):
if n = 2 and r = 2
8  if n == r : continue
this line will executed
continue will skip the rest of the for loop and
jump right back to the conditional test case
however, the for loop literation already end when n = 2
so the for loop will end without break
so it will execute the else statement
else:
  print "Wow, you are lucky\n"

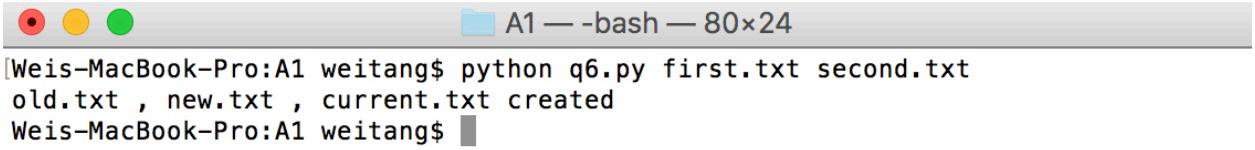
the terminal will print the message

(d):
if n = 0 and r = 2:
10  print "x"
will be executed because n==r and n>r will be false
so no continue or break in for loop.
after that it will get to the next iteration

ii:
the program will execute else statement
when the for loop ends without break
in this case
during the iteration of n = 0 , 1, 2 , r can not be less then n

Q5:
Code file: q5.py
Terminal:

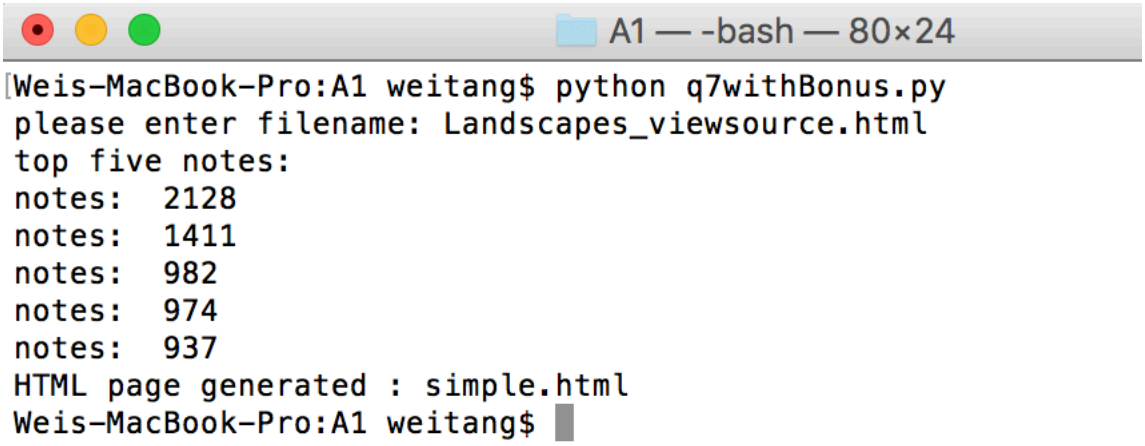

Q6:
Code file :q6.py
Input file: first.txt , second.txt
Terminal:




New.txt, old.txt, current.txt are created in current directory

New.txt will contain records only in second file
Old.txt will contain records only in first file
Current.txt will contain records in both files

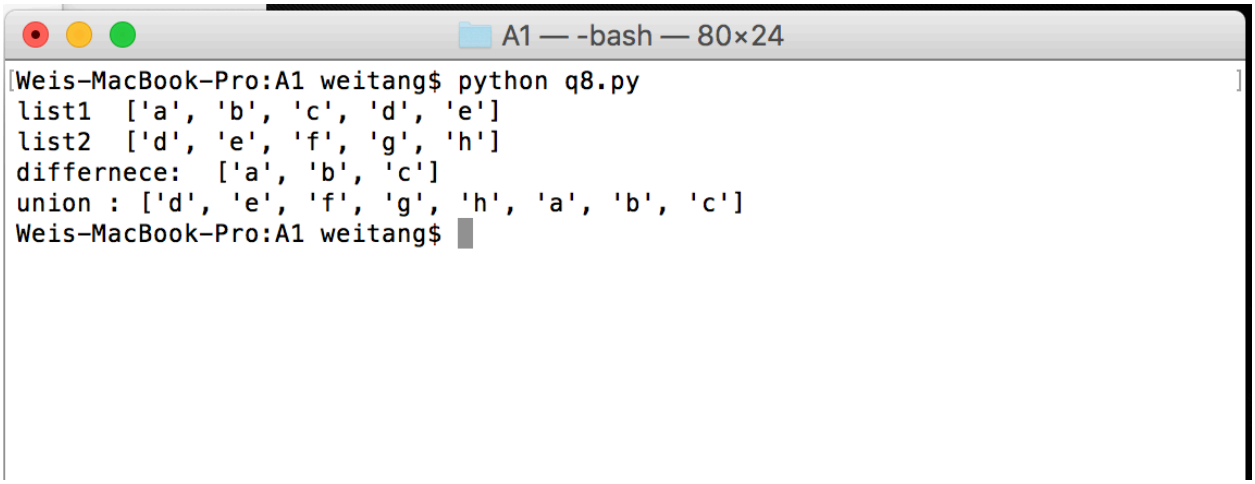
Q7:
Code file: q7withbonus.py
Input file: landscapes_viewsource.html
Terminal:




highest five notes are printed to screen
bonus part are generated to a file name: simple.html

Q8:
Code file: q8.py

Terminal:




Functions are defined in code file.