Introduction to Computing System

Assignment 5

Note: You MUST do the programming assignment by yourself. You are permitted to get help ONLY from the TAs and instructors.

Office Directory

Your job
Complete programming assignment 2 using C. Your program need read the link lists from **directory.in** and output the result to **directory.out**.

You can only use the link-list to store the professor and room information.

Input Format
The first line is the total number of rooms in the link list, n, 0 <= n <= 3000. Then follows 2*n lines. For every 2 lines, the first line gives you the professor name, and the second line gives you the room number of him or her. Then follows a non-negative number m, 0 <= m <= 3000 indicating the number of the request. Then follow m lines, each line indicate a request using a room number.

Output Format
There should be m lines, each for an answer to a request. If there is no such room in the link list, print a line says "No Entry", or print the exact professor's name in the room.

Sample Case

directory.in:
2
Jiang
520
chen
509
3
haha
520
509

directory.out:
No Entry
jiang
chen

Submit your Program
The program you are to submit is a C language file called **directory.c**.
You SHOULD write a simple report for your program to briefly describe
how to use your program and how your program works.

Submit your zip file to the website: http://10.214.208.4/intro2cs