Introduction

A database is a collection of information that is organized so that it can easily be accessed, managed and updated. In this assignment, you will make an introduction to database systems by creating a very simple system. You will have three plain text files containing information about students, courses and enrollments. Your task will be to write an application which processes these text files and answers to a specific query.

Task Description

In this assignment, you will have three text files: **student.txt**, **course.txt** and **enrollment.txt**.

student.txt contains information about students and It has two attributes: Student id and student name. **course.txt** contains information about courses and it also has two attributes: Course id and course name. **enrollment.txt** contains the relationship between students and courses. It contains two attributes: Student id and course id. In all text files, the first line contains the name of the attributes and the rest of the lines contains the information. Each attribute is separated by a semicolon.

Below you can see the format of these three files:

```
1    student_id;student_name
2    11272;Neal Alexander
3    79117;Seth Harper
4    70158;Philip Wagner
5    45841;Rogelio Roy
6    39441;Joanna Cobb
7    49685;Dora Howell
8    86295;Lawrence Adams
9    31254;Andrew Mcguire
10   20762;Marcos Murphy
11   37147;Cody Alexander
12   32539;Betsy Wilkerson
13   61724;Betsy Goodman
14   38428;Brad Carpenter
15   27164;Brian Owen
```
student.txt

```
1    student_id;course_id
2    11272;20060
3    24741;20060
4    17575;20059
5    55981;20060
6    83116;20060
7    80873;20772
8    53938;20059
9    43753;20772
10   26859;20771
11   10932;20059
12   26859;20772
13   10932;20060
14   18101;20060
15   89261;20077
```
enrollment.txt

```
1    course_id;course_name
2    20771;Introduction_to_Computing
3    20772;Advanced_Programming
4    20077;Algorithms
5    20059;Programming_Languages
6    20060;Database_Systems
```
course.txt

To give a concrete example to the relation between the files, the line "11272;20060" in **enrollment.txt** means that the student Neal Alexander with the student id 11272 is enrolled to Database Systems course with the course id of 20060.

Your task is to write an application in C++ which reads these files and answers a specific query. In your application, you will take a course name as an input and print out the student ids and names of every student who is enrolled to the course.