

BIL211 2020-2021 Spring Lab Assignment #5

Deadline: 08.03.2021 12:30 GMT +3

Github: <https://classroom.github.com/a/m8Ci7Xld>

For this lab, you will be given 3 files: Classroom.txt, Grades.txt, and Departments.txt. Your main must be in the class named University.java. Your program is to take **a single input**. If the input is an integer, the given integer will be treated as ID. If the input is a string, the given string will be treated as name. Your task is to print the following line for the matched student:

ID - student's name: grade (department)

Example: 123456 - Leia Wilson: 73 (Computer Science)

Name or ID should match exactly. If there is a person named "Santos Bradley", and the query is "Santos", **it is not a match**.

If there are no matching students, throw an InvalidSearchException, catch it; then print "There are no matching students for the query <query>." and exit with the 0 signal. You need to implement the InvalidSearchException class.

Example: There are no matching students for the query 123456789.

Format of Classroom.txt is <ID1>,<name1>
 <ID2>,<name2>
 ...
 <IDN>,<nameN>

Example: 123456,Leia Wilson
 321,Miracle Moore
 2321,Ibrahim Mosley

Notice that each student is separated by a newline, and the IDs are separated from the names with commas (,).

Format of Grades.txt is <ID1>:<grade1>;<ID2>:<grade2>; ... ;<IDN>:<gradeN>

Example: 123456:73;321:54;2321:63

Notice that each student is separated by a semicolon (;), and the IDs are separated from the grades with a colon (:).

Format of Departments.txt is *<name1>-<department1>*
<name2>-<department2>
...
<nameN>-<departmentN>

Example: Leia Wilson-Computer Science
 Miracle Moore-Biomedical Engineering
 Ibrahim Mosley-Art History

Notice that each student is separated by a newline, and name is separated from the department with a dash (-).