Problem

An educational center offers certain number of courses. A course can have one or more sections. A section can have one or more students (assume that a student cannot enroll in multiple sections of the same course). A student has to do a certain number of assignments in the course. In order to pass the course, the average score of the assignment has to be >=70.
You will write a program that will read data about the courses, sections, students, and scores of the students and will produce some summarized results from the data.

Input Specification (read data from a file assignment1input.txt. Do not use any other file name in your code.):

The first line of the file contains a single positive integer, t (t<=25), that represents the number of test cases to
process.

The first line of each test case contains a single positive integer, c (c<=500), that represents the number of courses.
After that the file contains data for c number of courses.

For each course:
The first line of a course contains a string, cn (all lower case, single word, max length <=20), that represents the
course name.

The next line contains a single positive integer, s (s<=10), that represents the number of sections in the course
cn. After that the file contains data for s number of sections for the course as follows.

For each section:

The first line contains two positive integers, st (st<=500) and m (m<=20), where st represents the number of students in the section and m represents the number of assignments in the section.

The following st number of lines represents data for the st number of students (each line for each student).

A student data line contains a positive integer, id (id<=50,0000), a string lname (all lower case, single word, max
length <=20), and m positive float numbers (each float number is <=100) separated by spaces, where id
represents the id number of the student, lname represents the last name of the student, and m positive float numbers

represent the score of the students in m assignments for the course. Assume that the id numbers are unique for
each student.

Similarly, the file contains data for s number sections for the course cn. Similarly, the file contains data for all
the courses for each test case.

Output (output should be in console. No need to write the output to a file):
For each course, display course name (in the same order they appear in the file), total number of students passed,
average scores for each section of the course (in the same order they appear in the file), id, last name and average
score of the student who achieved highest average score in the assignments of the entire course regardless of
section (print the first student only if multiple students achieved the highest score). Display the result in one
course per line in the following format:

course_name pass_count list_of_averages_section(separated by space up to two decimal places) id lname
avg_score (up to two decimal places)

Where course_name is the name of the course, pass_count is the total number of students passed the course,
list_of_averages_section is the list of average scores per section of the course, id, lname and avg_score is the id,
last name, and average score of the student who achieved the highest score in the course