

Basic SQL

Use the script “原版教材配套建表（附加首先删表）DDL+drop.sql” to create the database “University”, and use the script “中文版数据填充-中文-final.sql” or “中文版数据填充-中文-final-utf8.sql” to initialize the database.

The following questions are based on the result of initialization above.

Try to design test case on your own to verify that your answer is correct.

1. Find the ID, names of all the students from departments whose name contain character '功'.
2. Find the ID, names and total credits of students in 邪门学院 department or in 兵器学院 department whose total credits are higher than 50 credits
3. For the instructor 83821, show course_id and title of all courses taught by the instructor
4. As above, but show the total number of credits for such courses (taught by that instructor). You should use SQL aggregation on courses taught by that instructor.
5. As above, but display the total credits for each of the instructors, along with the ID of the instructor; don't bother about the name of the instructors. (Don't bother about instructors who have not taught any course, they can be omitted)
6. Find average instructors' salaries for each of courses, along with the course_id and title of the course, taught by instructors of 内功学院, the result should be sorted from the lowest to the highest according to the average salaries.
7. Find the names of all courses which have been taught in 南疆雨林 ever (there should be no duplicate names)
8. Display the IDs and names of all students who have never registered for a course
9. Find the id and names of the courses which have been registered by some students without evaluated grade.
10. Find the courses which are the Subsequence courses of other courses. The result should involve the ids and titles of the Subsequence courses and the ids and titles of its prerequisites (note: the names of columns in result should show the roles of the courses clearly)