



Lecturer

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# DB intermediate exam

Data



## Task 1

Student Information System:

Entities:

1. The Department. Has: lots of students, lots of lectures.
2. Lecture. Has: many departments.
3. Student. Has: many lectures, one department.

Functionalities:

1. Create a department and add students and lectures to it (additional points if adding lectures that already exist in the database).
2. Add students/lectures to an existing department.
3. Create a lecture and assign it to a department.
4. Create a student, add it to an existing department and assign it to existing lectures.
5. Transfer the student to another department (bonus points if the student's lectures are also changed).



## Task 1

6. Display all students in the department.
7. Display all lectures in the department.
8. Display all lectures by student.