1   Selezionare tutti gli studenti iscritti al Corso di Laurea in Economia

SELECT students.*

FROM degrees

JOIN students

ON degrees.id = students.degree_id

WHERE degrees.name LIKE "Corso di Laurea in Economia";

2.   Selezionare tutti i Corsi di Laurea Magistrale del Dipartimento di Neuroscienze

SELECT degrees.*

FROM departments

JOIN degrees

ON departments.id = degrees.department_id

WHERE departments.name LIKE "Dipartimento di Neuroscienze"

AND degrees.level LIKE "magistrale";

3.   Selezionare tutti i corsi in cui insegna Fulvio Amato (id=44)

-- VERSION 1

SELECT * FROM courses

JOIN course_teacher

ON courses.id = course_teacher.course_id

WHERE course_teacher.teacher_id = 44;

4.   Selezionare tutti gli studenti con i dati relativi al corso di laurea a cui sono iscritti e il relativo dipartimento, in ordine alfabetico per cognome e nome

SELECT *

FROM students

JOIN degrees

ON students.degree_id = degrees.id

JOIN departments

ON degrees.department_id = departments.id

ORDER BY students.name, students.surname;

5. Selezionare tutti i corsi di laurea con i relativi corsi e insegnanti

SELECT degrees.*, courses.*, teachers.*

FROM degrees

JOIN courses

ON degrees.id = courses.degree_id

JOIN course_teacher

ON courses.id = course_teacher.course_id

JOIN teachers

ON course_teacher.teacher_id = teachers.id;

6. Selezionare tutti i docenti che insegnano nel Dipartimento di Matematica (54)

SELECT DISTINCT teachers.*

FROM departments

JOIN degrees

ON departments.id = degrees.department_id

JOIN courses

ON degrees.id = courses.degree_id

JOIN course_teacher

ON courses.id = course_teacher.course_id

JOIN teachers

ON course_teacher.teacher_id = teachers.id

WHERE departments.name LIKE "Dipartimento di Matematica";