

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

```
SELECT `students`.`name`, `students`.`surname`  
FROM `degrees`  
INNER JOIN `students` ON `degrees`.`id` = `students`.`degree_id`  
WHERE `degrees`.`name` = "Corso di Laurea in Economia"
```

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

```
SELECT `courses`.`name` AS `nome_corso`, `departments`.`name` AS `nome_dipartimento`  
FROM `courses`  
INNER JOIN `degrees` ON `courses`.`degree_id` = `degrees`.`id`  
INNER JOIN `departments` ON `degrees`.`department_id` = `departments`.`id`  
WHERE `departments`.`name` = "Dipartimento di Neuroscienze"
```

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

```
SELECT `courses`.`name` AS `nome_corso`, `teachers`.`name`, `teachers`.`surname`  
FROM `courses`  
INNER JOIN `course_teacher` ON `courses`.`id` = `course_teacher`.`course_id`  
INNER JOIN `teachers` ON `teachers`.`id` = `course_teacher`.`teacher_id`  
WHERE `teachers`.`name` = 'Fulvio'  
AND `teachers`.`surname` = 'Amato'
```

### 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 `students`.`name` AS `nome_studente`, `students`.`surname` AS `cognome_studente`,  
`students`.`registration_number` AS `matricola_studente`, `degrees`.`name`, `departments`.`name`  
FROM `students`  
INNER JOIN `degrees` ON `degrees`.`id` = `students`.`degree_id`  
INNER JOIN `departments` ON `departments`.`id` = `degrees`.`department_id`  
ORDER BY `students`.`surname`, `students`.`name`
```

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

```
SELECT `degrees`.`name` AS `facoltà`, `courses`.`name` AS `nome_corso`, `teachers`.`name`  
AS `nome_insegnante`, `teachers`.`surname` as `cognome_insegnante`  
FROM `degrees`  
INNER JOIN `courses` ON `degrees`.`id` = `courses`.`degree_id`  
INNER JOIN `course_teacher` ON `courses`.`id` = `course_teacher`.`course_id`  
INNER JOIN `teachers` ON `teachers`.`id` = `course_teacher`.`teacher_id`
```

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

```
SELECT `teachers`.`name` AS `nome_insegnante`, `teachers`.`surname` as  
`cognome_insegnante`, `departments`.`name` AS `nome_dipartimento`  
FROM `departments`  
INNER JOIN `degrees` ON `departments`.`id` = `degrees`.`department_id`  
INNER JOIN `courses` ON `degrees`.`id` = `courses`.`degree_id`  
INNER JOIN `course_teacher` ON `courses`.`id` = `course_teacher`.`course_id`  
INNER JOIN `teachers` ON `teachers`.`id` = `course_teacher`.`teacher_id`  
WHERE `departments`.`name` = 'Dipartimento di Matematica'  
GROUP BY `teachers`.`id`
```

### 7. BONUS: Selezionare per ogni studente quanti tentativi d'esame ha sostenuto per superare ciascuno dei suoi esami

```
SELECT `students`.`name` AS `nome_studente`, `students`.`surname` AS `cognome_studente`,  
`exams`.`date` AS `data_esame`, `exams`.`hour` AS `ora_esame`  
FROM `students`  
INNER JOIN `exam_student` ON `students`.`id` = `exam_student`.`student_id`  
INNER JOIN `exams` ON `exams`.`id` = `exam_student`.`exam_id`  
INNER JOIN `courses` ON `courses`.`id` = `exams`.`course_id`  
GROUP BY `courses`.`id`
```

➔ Il bonus non funziona. Ci ho provato