

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

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

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

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

```
SELECT `degrees`.`name`  
FROM `degrees`  
JOIN `departments` ON `degrees`.`department_id` = `departments`.`id`  
WHERE `departments`.`name` = 'Dipartimento di Neuroscienze'  
AND `degrees`.`level` = 'magistrale';
```

```
SELECT `degrees`.`name` FROM `degrees` JOIN `departments` ON  
`degrees`.`department_id` = `departments`.`id` WHERE  
`departments`.`name` = 'Dipartimento di Neuroscienze' AND  
`degrees`.`level` = 'magistrale';
```

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

```
SELECT `courses`.`name`, AS `corsi_fulvio_amato`  
FROM `courses`  
JOIN `course_teacher` ON `courses`.`id` = `course_teacher`.`course_id`  
JOIN `teachers` ON `course_teacher`.`teacher_id` = `teachers`.`id`  
WHERE `teachers`.`id` = 44;
```

```
SELECT `courses`.`name` AS `corsi_fulvio_amato` FROM
`courses` JOIN `course_teacher` ON `courses`.`id` =
`course_teacher`.`course_id` JOIN `teachers` ON
`course_teacher`.`teacher_id` = `teachers`.`id` WHERE
`teachers`.`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 `students`.`name`, `students`.`surname`, `degrees`.`name` AS
`corso_laurea`, `departments`.`name` AS `nome_dipartimento`
FROM `students`
JOIN `degrees` ON `students`.`degree_id` = `degrees`.`id`
JOIN `departments` ON `degrees`.`department_id` = `departments`.`id`
ORDER BY `students`.`surname`, `students`.`name`;
```

```
SELECT `students`.`name`, `students`.`surname`,
`degrees`.`name` AS `corso_laurea`, `departments`.`name` AS
`nome_dipartimento` FROM `students` JOIN `degrees` ON
`students`.`degree_id` = `degrees`.`id` JOIN `departments` ON
`degrees`.`department_id` = `departments`.`id` ORDER BY
`students`.`surname`, `students`.`name`;
```

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

```
SELECT `teachers`.`name` AS `nome`, `teachers`.`surname` AS `cognome`,
`courses`.`name` AS `esame`, `degrees`.`name` AS `laurea`
FROM `teachers`
JOIN `course_teacher` ON `course_teacher`.`course_id` = `teachers`.`id`
```

```
JOIN `courses` ON `course_teacher`.`course_id` = `courses`.`id`
```

```
JOIN `degrees` ON `courses`.`degree_id` = `degrees`.`id`
```

```
ORDER BY `degrees`.`name`;
```

```
SELECT `teachers`.`name` AS `nome`, `teachers`.`surname` AS  
`cognome`, `courses`.`name` AS `esame`, `degrees`.`name` AS  
`laurea` FROM `teachers` JOIN `course_teacher` ON  
`course_teacher`.`course_id` = `teachers`.`id` JOIN `courses`  
ON `course_teacher`.`course_id` = `courses`.`id` JOIN  
`degrees` ON `courses`.`degree_id` = `degrees`.`id` ORDER BY  
`degrees`.`name`;
```

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

```
SELECT `teachers`.`name` AS `nome`, `teachers`.`surname` AS `cognome`,  
`departments`.`name` AS `dipartimento`
```

```
FROM `teachers`
```

```
JOIN `course_teacher` ON `course_teacher`.`teacher_id` = `teachers`.`id`
```

```
JOIN `courses` ON `course_teacher`.`course_id` = `courses`.`id`
```

```
JOIN `degrees` ON `courses`.`degree_id` = `degrees`.`id`
```

```
JOIN `departments` ON `degrees`.`department_id` = `departments`.`id`
```

```
WHERE `departments`.`name` = 'Dipartimento di Matematica'
```

```
ORDER BY `teachers`.`surname`;
```

```
SELECT `teachers`.`name` AS `nome`, `teachers`.`surname` AS  
`cognome`, `departments`.`name` AS `dipartimento` FROM  
`teachers` JOIN `course_teacher` ON  
`course_teacher`.`teacher_id` = `teachers`.`id` JOIN  
`courses` ON `course_teacher`.`course_id` = `courses`.`id`  
JOIN `degrees` ON `courses`.`degree_id` = `degrees`.`id` JOIN  
`departments` ON `degrees`.`department_id` =  
`departments`.`id` WHERE `departments`.`name` = 'Dipartimento  
di Matematica' ORDER BY `teachers`.`surname`;
```

7. BONUS: Selezionare per ogni studente il numero di tentativi sostenuti per ogni esame, stampando anche il voto massimo. Successivamente, filtrare i tentativi con voto minimo 18.