QUERY con GROUP

Es1

```
SELECT YEAR(`enrolment_date`) AS 'anno_iscrizione',
COUNT(*)
AS 'numero_studenti'
FROM `students`
GROUP BY `anno_iscrizione`;
Es2
SELECT `office_address`,
COUNT(*) AS 'numero_insegnanti'
FROM 'teachers'
GROUP BY 'office address'
ORDER BY `numero_insegnanti`
DESC
Es3
SELECT `exam_id`,
AVG(`vote`) AS 'media_voti'
FROM `exam_student`
GROUP BY `exam_id`;
Es4
SELECT `department_id`,
COUNT(*) AS 'numero_corsi'
FROM 'degrees'
GROUP BY `department_id`;
```

QUERY CON JOIN

Es1

Es2

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

```
SELECT *
FROM 'degrees'
JOIN 'departments'
WHERE 'degrees'.'level' = 'magistrale'
AND `departments`.`name`='Dipartimento di Neuroscienze':
Es3
SELECT*
FROM `teachers`
JOIN `course_teacher`
ON `teachers`.`id`= `course teacher`.`teacher id`
WHERE `teachers`.`name`= 'Fulvio'
AND `teachers`.`surname`= 'Amato';
Es4
SELECT `students`.*,`courses`.*,`degrees`.`name`,`departments`.`name`
FROM `students`
INNER JOIN 'courses' ON 'students'.'degree id'='courses'.'id'
INNER JOIN 'degrees' ON 'courses'.'degree_id'='degrees'.'id'
INNER JOIN 'departments' ON 'degrees'.'department_id'='departments'.'id'
ORDER BY 'surname' ASC, 'students'. 'name' ASC;
Es5
SELECT
`degrees`.*,`courses`.`name`,`teachers`.`name`,`teachers`.`surname`
FROM 'degrees'
INNER JOIN `courses` ON `degrees`.`department_id`=`courses`.`id`
INNER JOIN `teachers` ON `courses`.`degree_id`=`teachers`.`id`;
Es6
SELECT `teachers`.*,`departments`.`name`
FROM 'teachers'
JOIN 'course teacher' ON 'teachers'.'id'= 'course teacher'.'teacher id'
JOIN 'courses' ON 'courses'.'id' = 'course teacher'.'course id'
JOIN 'degrees' ON 'degrees'. 'id' = 'courses'. 'degree id'
JOIN 'departments' ON 'departments'.'id' = 'degrees'.'department id'
WHERE `departments`.`name` = 'Dipartimento di Matematica';
```