

GROUP_BY:

1-

```
SELECT COUNT(id) AS "Numero_iscritti",  
YEAR(`enrolment_date`) from `students` GROUP BY  
YEAR(`enrolment_date`);
```

2-

```
SELECT teachers.office_address as "Palazzo",  
COUNT(teachers.office_address) as "Numero_Docenti" FROM teachers  
GROUP by Palazzo;
```

3-

```
SELECT `exam_id`, AVG(`vote`) FROM `exam_student` GROUP  
BY `exam_id`;
```

```
4- SELECT departments.name AS "NOME DIPARTIMENTO",  
COUNT(degrees.id) AS "NUMERO CORSI DI LAUREA" FROM  
departments JOIN degrees ON departments.id =  
degrees.department_id GROUP BY departments.name;
```

ORDER_BY:

1

```
SELECT students.surname AS 'Cognome', students.name AS  
'Nome', students.id AS 'ID  
Studente', degrees.name AS 'Corso di  
laurea' FROM students INNER JOIN degrees ON  
students.degree_id = degrees.id WHERE degrees.name =  
'Corso di Laurea in  
Economia' ORDER BY `students`.`surname` ASC;
```

2

3

```
SELECT * FROM courses JOIN course_teacher ON  
course_teacher.course_id = courses.id JOIN teachers ON  
course_teacher.teacher_id = teachers.id WHERE teachers.id  
= 44;
```

4

```
SELECT students.name AS "nome", students.surname AS  
"cognome", degrees.name AS "Corso di Laurea",  
departments.name AS "Dipartimento"  
FROM `students`  
JOIN degrees  
ON degrees.id = students.degree_id  
JOIN departments  
ON departments.id = degrees.department_id  
ORDER BY students.surname ASC, students.name
```

5

```
SELECT degrees.*, courses.name AS "Nome corso",  
teachers.name AS "Nome insegnante" , teachers.surname AS  
"Cognome insegnante"  
FROM degrees  
JOIN courses  
ON courses.degree_id = degrees.id  
JOIN course_teacher  
ON course_teacher.course_id = courses.id  
JOIN teachers  
ON course_teacher.teacher_id = teachers.id
```