**GROUP BY:**  
1)  
[SELECT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/select.html) [COUNT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/aggregate-functions.html%23function_count)(\*) AS `numero\_studenti`, [YEAR](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/date-and-time-types.html)(`enrolment\_date`) AS `anno\_iscrizione`  
FROM `students`  
GROUP BY [YEAR](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/date-and-time-types.html)(`enrolment\_date`);  
  
2)  
[SELECT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/select.html) [COUNT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/aggregate-functions.html%23function_count)(\*) AS `number\_teachers`, `office\_address`  
FROM `teachers`  
GROUP BY `office\_address`;  
  
3)  
[SELECT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/select.html) `exam\_id`, [AVG](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/aggregate-functions.html%23function_avg)(`vote`) AS `media`  
FROM `exam\_student`  
GROUP BY `exam\_id`;  
  
4)  
[SELECT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/select.html) `department\_id`, [COUNT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/aggregate-functions.html%23function_count)( `name`) AS `numero corsi`  
FROM `degrees`  
GROUP BY `department\_id`;  
  
**JOIN:**  
1)  
[SELECT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/select.html) `degrees`.`name` AS `degrees\_name`, `students`.\*  
FROM `degrees`  
INNER JOIN `students`  
ON `degrees`.`id`=`students`.`degree\_id`  
WHERE `degrees`.`name`='corso di laurea in economia';  
  
2)  
[SELECT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/select.html) `departments`.`name` AS `departments\_name`, `degrees`.\*  
FROM `departments`  
INNER JOIN `degrees`  
ON `departments`.`id`=`degrees`.`department\_id`  
WHERE `departments`.`name`= 'Dipartimento di Neuroscienze' [AND](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/logical-operators.html%23operator_and) `degrees`.`level`='magistrale';  
  
3)  
[SELECT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/select.html) `courses`.`name` AS `courses\_name`,`teachers`.\*  
FROM `courses`  
INNER JOIN `course\_teacher`  
ON `courses`.`id`=`course\_teacher`.`course\_id`  
INNER JOIN `teachers`  
ON `course\_teacher`.`teacher\_id`=`teachers`.`id`  
WHERE `teachers`.`id`='44';  
  
4)  
[SELECT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/select.html) `students`.`name` AS `students\_name`, `students`.`surname` AS `students\_surname`,`degrees`.\*,`departments`.\*  
FROM `students`  
INNER JOIN `degrees`  
ON `students`.`degree\_id`= `degrees`.`id`  
INNER JOIN `departments`  
ON `departments`.`id`=`degrees`.`department\_id`  
ORDER BY `students\_name`,`students\_surname` ASC;  
  
5)  
[SELECT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/select.html) `degrees`.`name` AS`degrees\_name`, `courses`.`name` AS`course\_name`, `teachers`.\*  
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 `course\_teacher`.`teacher\_id`= `teachers`.`id`;  
  
6)  
[SELECT](http://localhost/phpMyAdmin/url.php?url=https://dev.mysql.com/doc/refman/5.7/en/select.html) `departments`.`name` AS `departments\_name`, `teachers`.\*  
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 `course\_teacher`.`teacher\_id`= `teachers`.`id`  
WHERE `departments`.`name` = 'dipartimento di matematica';  
  
7)