

-- il voto medio complessivo di tutti gli esami

```
SELECT AVG(Grade) as avgGrade FROM school.StudentGradeoO
```

-- gli studenti che hanno una media dei loro esami inferiore alla media complessiva degli esami

```
SELECT * FROM school.Person
RIGHT JOIN school.StudentGrade
ON school.StudentGrade.StudentID = school.Person.PersonID
WHERE school.StudentGrade.Grade < (
    SELECT AVG(Grade) as avgGrade FROM school.StudentGrade
)
```

--? lo studente con la media più alta

```
SELECT * FROM school.Person
JOIN school.StudentGrade
ON school.StudentGrade.StudentID = school.Person.PersonID
WHERE school.StudentGrade.Grade = (
    SELECT MAX(Grade) as avgGrade FROM school.StudentGrade
)
```

-- il corso che ha fatto più esami

```
SELECT school.Course.CourseID
FROM school.Course
INNER JOIN school.StudentGrade
ON school.StudentGrade.CourseID = school.Course.CourseID
GROUP BY school.Course.CourseID, school.Course.Title
HAVING COUNT(*) = (
    SELECT MAX(newTable.exams)
    FROM (SELECT school.Course.CourseID, COUNT(*) AS exams
    FROM school.Course
    INNER JOIN school.StudentGrade
    ON school.StudentGrade.CourseID = school.Course.CourseID

    GROUP BY school.Course.CourseID ) newTable
)
```

-- i docenti del corso che ha fatto più esami

```
SELECT School.Course.CourseID, COUNT(*) as exams,
CourseInstructor.PersonID, LastName, FirstName
FROM School.StudentGrade
INNER JOIN School.Course
ON StudentGrade.CourseID = Course.CourseID
INNER JOIN School.CourseInstructor
ON CourseInstructor.CourseID = Course.CourseID
INNER JOIN School.Person
ON School.Person.PersonID = CourseInstructor.PersonID
GROUP BY School.Course.CourseID, CourseInstructor.PersonID,
LastName, FirstName
```

```

HAVING COUNT(*) = (
    SELECT MAX(t.exams) FROM (
        SELECT School.Course.CourseID, COUNT(*) as exams
        FROM School.StudentGrade INNER JOIN School.Course
        ON StudentGrade.CourseID = Course.CourseID
        GROUP BY School.Course.CourseID
    ) as t
-- i corsi che iniziano con la A
SELECT * FROM school.Course
WHERE school.Course.Title LIKE 'A%'
-- i corsi che si tengono il lunedì
SELECT * FROM school.Course
JOIN school.OnsiteCourse
ON school.OnsiteCourse.CourseID = school.Course.CourseID
WHERE school.OnsiteCourse.Days LIKE 'M%'
-- per ogni mese dell'anno, il numero di studenti che si sono iscritti in quel mese
SELECT MONTH(school.Person.EnrollmentDate) as Month, COUNT(*)
as Students FROM school.Person
WHERE school.Person.Discriminator = 'Student'
GROUP BY MONTH(school.Person.EnrollmentDate)
-- gli studenti che si sono iscritti di lunedì
SELECT * FROM school.Person
WHERE DATENAME(WEEKDAY, school.Person.EnrollmentDate) =
'Monday'

```