

Easy 62 CP 4 Add to List Share

SQL Schema &gt;

Table: Students

Column Name	Type
student_id	int
student_name	varchar

student\_id is the primary key for this table.

Each row of this table contains the ID and the name of one student in the school.

Table: Subjects

Column Name	Type
subject_name	varchar

subject\_name is the primary key for this table.

Each row of this table contains the name of one subject in the school.

Table: Examinations

Column Name	Type
student_id	int
subject_name	varchar

There is no primary key for this table. It may contain duplicates.

Each student from the Students table takes every course from Subjects table.

Each row of this table indicates that a student with ID student\_id attended the exam of subject\_name.

Write an SQL query to find the number of times each student attended each exam.

Order the result table by student\_id and subject\_name.

The query result format is in the following example:

Students table:

student_id	student_name
1	Alice
2	Bob
13	John
6	Alex

Subjects table:

subject_name
Math
Physics
Programming

Examinations table:

student_id	subject_name
1	Math
1	Physics
1	Programming
2	Programming
1	Physics
1	Math
13	Math
13	Programming
13	Physics
2	Math
1	Math

Result table:

student_id	student_name	subject_name	attended_exams
1	Alice	Math	3
1	Alice	Physics	2
1	Alice	Programming	1
2	Bob	Math	1
2	Bob	Physics	0
2	Bob	Programming	1
6	Alex	Math	0
6	Alex	Physics	0
6	Alex	Programming	0
13	John	Math	1
13	John	Physics	1
13	John	Programming	1

The result table should contain all students and all subjects.

Alice attended Math exam 3 times, Physics exam 2 times and Programming exam 1 time.

Bob attended Math exam 1 time, Programming exam 1 time and didn't attend the Physics exam.

Alex didn't attend any exam.

John attended Math exam 1 time, Physics exam 1 time and Programming exam 1 time.