

Problem 1112: Highest Grade For Each Student

Problem Information

Difficulty: Medium

Acceptance Rate: 71.15%

Paid Only: Yes

Tags: Database

Problem Description

Table: `Enrollments`

+-----+-----+ | Column Name | Type | +-----+-----+ | student_id | int | | course_id | int | | grade | int | +-----+-----+ (student_id, course_id) is the primary key (combination of columns with unique values) of this table. grade is never NULL.

Write a solution to find the highest grade with its corresponding course for each student. In case of a tie, you should find the course with the smallest `course_id`.

Return the result table ordered by `student_id` in **ascending order**.

The result format is in the following example.

Example 1:

Input: Enrollments table:
+-----+-----+-----+ | student_id | course_id | grade |
+-----+-----+-----+ | 2 | 2 | 95 | | 2 | 3 | 95 | | 1 | 1 | 90 | | 1 | 2 | 99 | | 3 | 1 | 80 | | 3 | 2 |
75 | | 3 | 3 | 82 | +-----+-----+-----+
Output:
+-----+-----+-----+ | student_id | course_id | grade | +-----+-----+-----+ | 1 | 2 | 99 | | 2 | 2 | 95 | | 3 | 3 | 82 | +-----+-----+-----+

Code Snippets

MySQL:

```
# Write your MySQL query statement below
```

MS SQL Server:

```
/* Write your T-SQL query statement below */
```

PostgreSQL:

```
-- Write your PostgreSQL query statement below
```