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Code

Pandas • Auto

```python
import pandas as pd

def highest_grade(enrollments: pd.DataFrame) -> pd.DataFrame:

    enrollments = enrollments.sort_values(
        by=['student_id', 'grade', 'course_id'],
        ascending=[True, False, True]
    )

    # Keep first row per student
    result = enrollments.drop_duplicates(subset=['student_id'], keep='first')

    return result
```

Saved   Ln 14, Col 5

Testcase | Test Result

Accepted   Runtime: 246 ms

☑ Case 1

Input

```
Enrollments =
| student_id | course_id | grade |
| ---------- | --------- | ----- |
| 2          | 2         | 95    |
| 2          | 3         | 95    |
| 1          | 1         | 90    |
| 1          | 2         | 99    |
```

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1112. Highest Grade For Each Student   Solved ☑

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SQL Schema > | Pandas Schema >

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    |
+------------+-----------+-------+
```

Seen this question in a real interview before?   1/5

Yes | No

Accepted **76,415**/107.4K | Acceptance Rate **71.2**%

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👍 314   👎   💬 12   ☆   ↗   ⊘   ● 0 Online

```
| 3          | 1         | 80    |
```