

Problem List

DescriptionEditorSolutionsSubmissions

2989. Class Performance

Medium

Solved

SQL SchemaPandas Schema

Table: Scores

Column Name	Type
student_id	int
student_name	varchar
assignment1	int
assignment2	int
assignment3	int

student_id is column of unique values for this table.
This table contains student_id, student_name, assignment1, assignment2, and assignment3.

Write a solution to calculate the **difference** in the **total score** (sum of all 3 assignments) between the **highest score** obtained by students and the **lowest score** obtained by them.

Return the result table in **any order**.

The result format is in the following example.

Example 1:

Input:

Scores table:

student_id	student_name	assignment1	assignment2	assignment3
309	Owen	88	47	87
321	Claire	98	95	37
338	Julian	100	64	43
423	Peyton	60	44	47
896	David	32	37	50
235	Camila	31	53	69

Output

difference_in_score
111

Explanation

– student_id 309 has a total score of 88 + 47 + 87 = 222.
– student_id 321 has a total score of 98 + 95 + 37 = 230.
– student_id 338 has a total score of 100 + 64 + 43 = 207.
– student_id 423 has a total score of 60 + 44 + 47 = 151.
– student_id 896 has a total score of 32 + 37 + 50 = 119.
– student_id 235 has a total score of 31 + 53 + 69 = 153.
student_id 321 has the highest score of 230, while student_id 896 has the lowest of 119.
Therefore, the difference between them is 111.

Code

MySQL

```
1 # Write your MySQL query statement below
2
3
4 SELECT (SC1.total1-SC2.total2) AS difference_in_score FROM
5
6 (SELECT (S1.assignment1 + S1.assignment2 + S1.assignment3) AS total1 FROM
7 Scores S1
8 ORDER BY total1 DESC
9 LIMIT 1) AS SC1,
10 (SELECT (S2.assignment1 + S2.assignment2 + S2.assignment3) AS total2 FROM
11 Scores S2
12 ORDER BY total2
13 LIMIT 1) AS SC2
```

Saved

Ln 13, Col 16

Testcase

Test Result

896	David	32	37	50
235	Camila	31	53	69

Output

difference_in_score
111

Expected

difference_in_score
111

Seen this question in a real interview before?

1/5

YesNo

Accepted 1.6K | Submissions 1.8K | Acceptance Rate 89.1%

Topics

Discussion (1)

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