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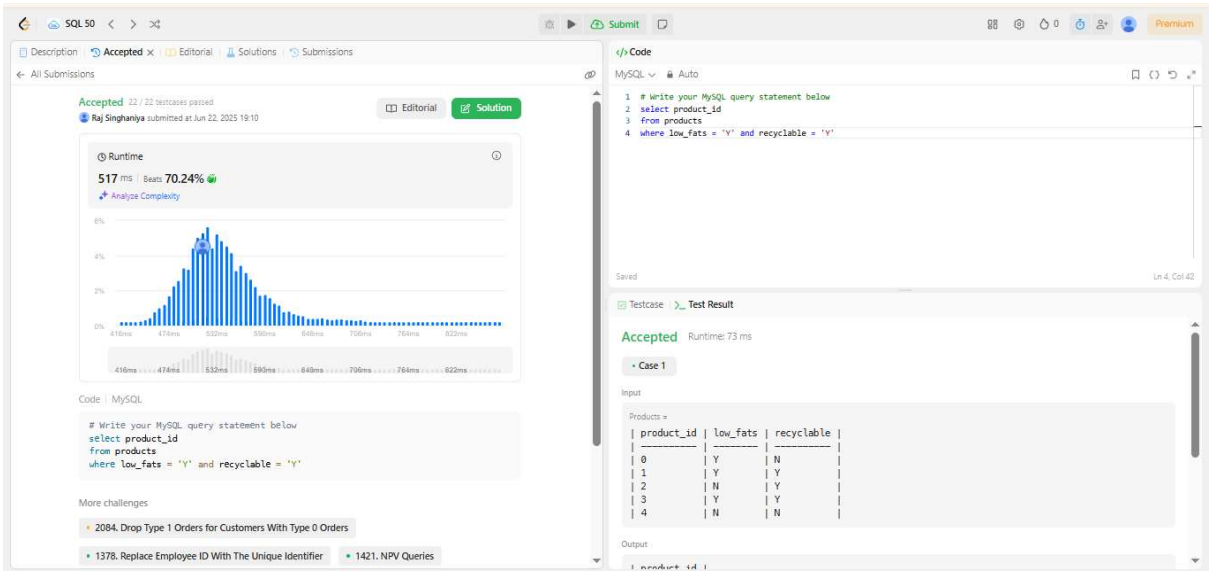
CTE ASSIGNMENT

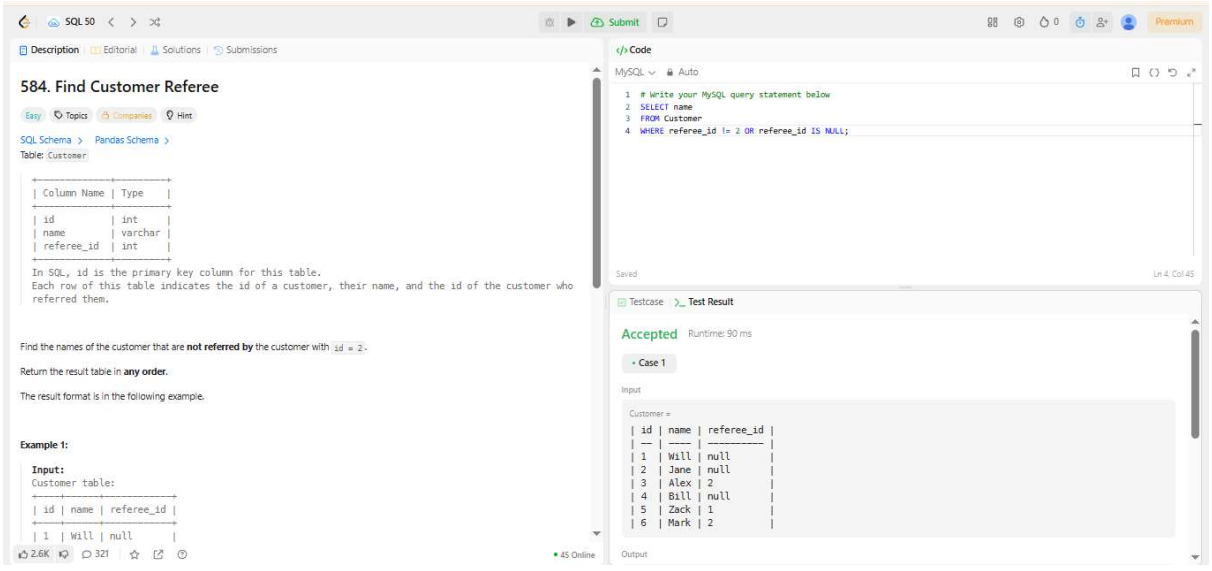
Subject Change Request Problem

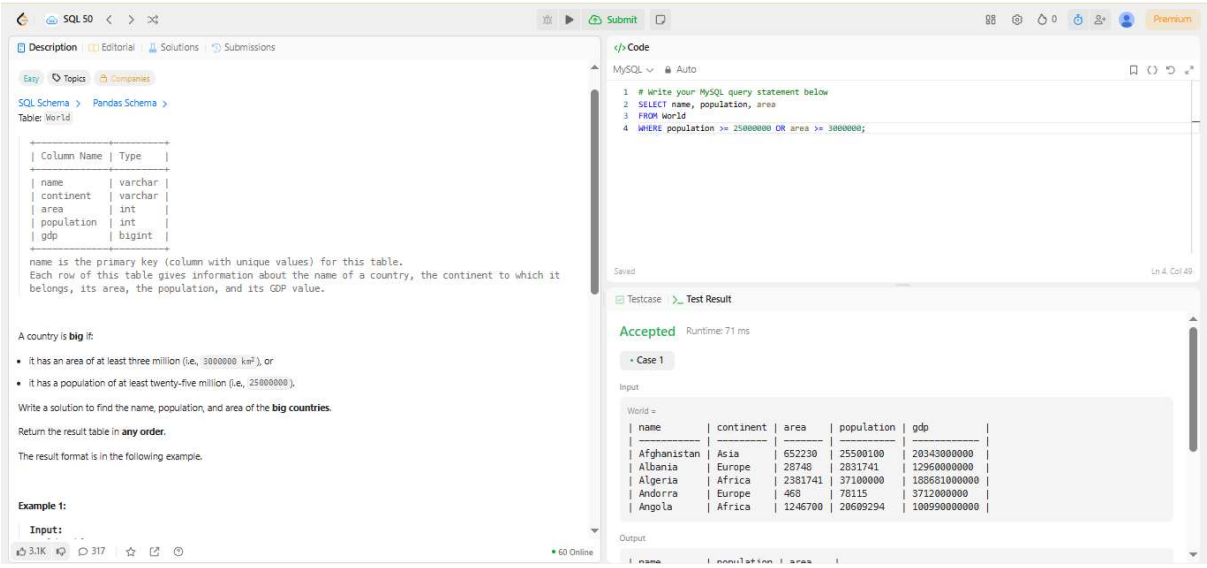
```
CREATE PROCEDURE sp_UpdateSubjectAllotment
AS
BEGIN
   SET NOCOUNT ON;
   DECLARE @StudentID VARCHAR(50)
   DECLARE @RequestedSubjectID VARCHAR(50)
   DECLARE @CurrentSubjectID VARCHAR(50)

   DECLARE request_cursor CURSOR FOR
      SELECT StudentId, SubjectId FROM SubjectRequest;

   OPEN request_cursor;
   FETCH NEXT FROM request_cursor INTO @StudentID, @RequestedSubjectID;

   WHILE @@FETCH_STATUS = 0
   BEGIN
      SELECT @CurrentSubjectID = SubjectId
      FROM SubjectAllotments
      WHERE StudentId = @StudentID AND Is_Valid = 1;

      IF @CurrentSubjectID IS NULL
      BEGIN
         INSERT INTO SubjectAllotments (StudentId, SubjectId, Is_Valid)
         VALUES (@StudentID, @RequestedSubjectID, 1);
      END
      ELSE
      BEGIN

         IF @RequestedSubjectID <> @CurrentSubjectID
         BEGIN
            UPDATE SubjectAllotments
            SET Is_Valid = 0
            WHERE StudentId = @StudentID AND Is_Valid = 1;

            INSERT INTO SubjectAllotments (StudentId, SubjectId, Is_Valid)
            VALUES (@StudentID, @RequestedSubjectID, 1);
         END
      END
```

```
    FETCH NEXT FROM request_cursor INTO @StudentID, @RequestedSubjectID;
  END

  CLOSE request_cursor;
  DEALLOCATE request_cursor;
  DELETE FROM SubjectRequest;
END
```

LEETCODE






SQL 50
Submit
Premium
Description
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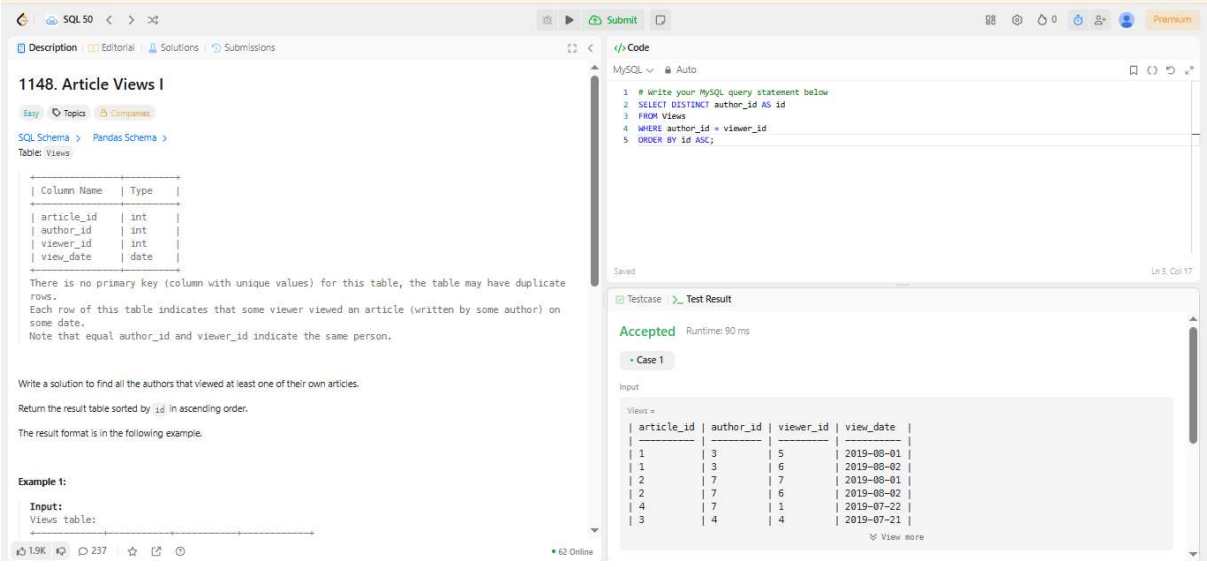
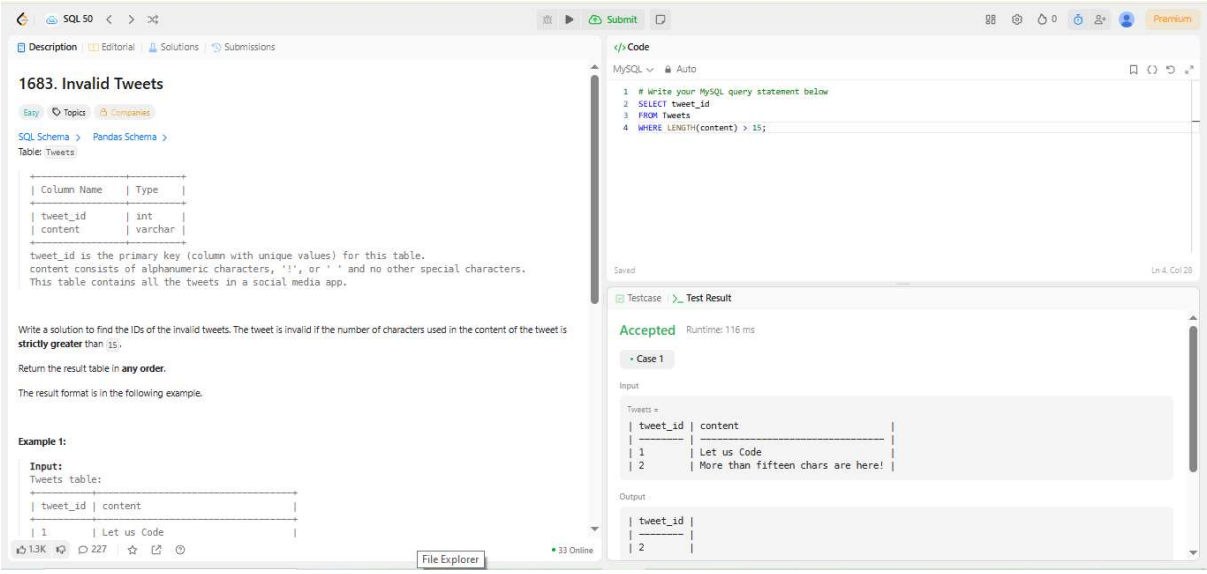
Solutions
Submissions
Easy
Topics
Companies
SQL Schema
Pandas Schema
Table: World
Column Name	Type
name	varchar
continent	varchar
area	int
population	int
gdp	bigint
name is the primary key (column with unique values) for this table.
Each row of this table gives information about the name of a country, the continent to which it belongs, its area, the population, and its GDP value.
A country is big if:
it has an area of at least three million (i.e., 3000000 km²), or
it has a population of at least twenty-five million (i.e., 25000000).
Write a solution to find the name, population, and area of the big countries.
Return the result table in any order.
The result format is in the following example.
Example 1:
Input:
3.1K
317
60 Online
Code
MySQL
Auto
Write your MySQL query statement below
SELECT name, population, area
FROM World
WHERE population >= 25000000 OR area >= 3000000;
Saved
Ln 4, Col 49
Testcase
Test Result
Accepted
Runtime: 71 ms
Case 1
Input
World =
name	continent	area	population	gdp
Afghanistan	Asia	652230	25500100	20343000000
Albania	Europe	28748	2831741	12960000000
Algeria	Africa	2381741	37100000	188681000000
Andorra	Europe	468	78115	3712000000
Angola	Africa	1246700	20609294	100990000000
Output


SQL 50
Submit
Premium
Description
Editorial
Solutions
Submissions
1148. Article Views I
Easy
Topics
Companies
SQL Schema
Pandas Schema
Table: Views
Column Name	Type
article_id	int
author_id	int
viewer_id	int
view_date	date
There is no primary key (column with unique values) for this table, the table may have duplicate rows.
Each row of this table indicates that some viewer viewed an article (written by some author) on some date.
Note that equal author_id and viewer_id indicate the same person.
Write a solution to find all the authors that viewed at least one of their own articles.
Return the result table sorted by id in ascending order.
The result format is in the following example.
Example 1:
Input:
Views table:
1.9K
237
62 Online
Code
MySQL
Auto
Write your MySQL query statement below
SELECT DISTINCT author_id AS id
FROM Views
WHERE author_id = viewer_id
ORDER BY id ASC;
Saved
Ln 5, Col 17
Testcase
Test Result
Accepted
Runtime: 90 ms
Case 1
Input
Views =
article_id	author_id	viewer_id	view_date
1	3	5	2019-08-01
1	3	6	2019-08-02
2	7	7	2019-08-01
2	7	6	2019-08-02
4	7	1	2019-07-22
3	4	4	2019-07-21
View more


SQL 50
Submit
Premium
Description
Editorial
Solutions
Submissions
1683. Invalid Tweets
Easy
Topics
Companies
SQL Schema
Pandas Schema
Table: Tweets
Column Name	Type
tweet_id	int
content	varchar
tweet_id is the primary key (column with unique values) for this table.
content consists of alphanumeric characters, '!', or ' ' and no other special characters.
This table contains all the tweets in a social media app.
Write a solution to find the IDs of the invalid tweets. The tweet is invalid if the number of characters used in the content of the tweet is strictly greater than 15.
Return the result table in any order.
The result format is in the following example.
Example 1:
Input:
Tweets table:
tweet_id	content
1	Let us Code
1.3K
227
33 Online
File Explorer
Code
MySQL
Auto
Write your MySQL query statement below
SELECT tweet_id
FROM Tweets
WHERE LENGTH(content) > 15;
Saved
Ln 4, Col 28
Testcase
Test Result
Accepted
Runtime: 116 ms
Case 1
Input
Tweets =
tweet_id	content
1	Let us Code
2	More than fifteen chars are here!
Output
tweet_id
2

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SQL (Basic) Certificate

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SQL (Basic)

It includes simple queries, relationships, and aggregators.

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