2339. All the Matches of the League

Description

Table: `Teams`

```
+---------------+---------+
| Column Name   | Type    |
+---------------+---------+
| team_name     | varchar |
+---------------+---------+
team_name is the column with unique values of this table.
Each row of this table shows the name of a team.
```

Write a solution to report all the possible matches of the league. Note that every two teams play two matches with each other, with one team being the `home_team` once and the other time being the `away_team` .

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

The result format is in the following example.

Example 1:

```
 Input:
Teams table:
+---------------+
| team_name     |
+---------------+
| Leetcode FC   |
| Ahly SC       |
| Real Madrid   |
+---------------+
 Output:
+---------------+---------------+
| home_team     | away_team     |
+---------------+---------------+
| Real Madrid   | Leetcode FC   |
| Real Madrid   | Ahly SC       |
| Leetcode FC   | Real Madrid   |
| Leetcode FC   | Ahly SC       |
| Ahly SC       | Real Madrid   |
| Ahly SC       | Leetcode FC   |
+---------------+---------------+
 Explanation: All the matches of the league are shown in the table.
```