Table: Teams

```
+-----+
| Column Name | Type |
+-----+
| team_name | varchar |
+-----+
```

team_name is the primary key of this table.
Each row of this table shows the name of a team.

Write an SQL query that reports 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 query result format is in the following example.

Example 1:**

Input:

Teams table:

Output:

4.	- 	+-		+
İ	home_team	İ	away_team	 -
1 1 1 1	Real Madrid Real Madrid Leetcode FC Leetcode FC Ahly SC Ahly SC	11111	Leetcode FC Ahly SC Real Madrid	
+-		+-		+

Explanation: All the matches of the league are shown in the table.