

Experiment - 9

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Aim: Using a Soccer Database, write a SQL queries to find out where the final match of the EURO cup 2016 was played. Return venue name, city.

Solution:

Sample table: soccer_venue:

venue_id	venue_name	city_id	aud_capacity
20001	Stade de Bordeaux	10003	42115
20002	Stade Bollaert-Delelis	10004	38223
20003	Stade Pierre Mauroy	10005	49822
20004	Stade de Lyon	10006	58585
20005	Stade Vélodrome	10007	64354
20006	Stade de Nice	10008	35624
20007	Parc des Princes	10001	47294
20008	Stade de France	10002	80100
20009	Stade Geoffroy Guichard	10009	42000
20010	Stadium de Toulouse	10010	33150

Sample table: soccer_city:

city_id	city	country_id
10001	Paris	1207
10002	Saint-Denis	1207
10003	Bordeaux	1207
10004	Lens	1207
10005	Lille	1207
10006	Lyon	1207
10007	Marseille	1207
10008	Nice	1207
10009	Saint-Etienne	1207
10010	Toulouse	1207

Sample table: match_mast:

match_no	play_stage	play_date	results	decided_by	goal_score	venue_id	referee_id	audience	plr_of_match	stop1_sec	stop2_sec
1	G	2016-06-11	WIN	N	2-1	20008	70007	75113	160154	131	242
2	G	2016-06-11	WIN	N	0-1	20002	70012	33805	160476	61	182
3	G	2016-06-11	WIN	N	2-1	20001	70017	37831	160540	64	268
4	G	2016-06-12	DRAW	N	1-1	20005	70011	62343	160128	0	185
5	G	2016-06-12	WIN	N	0-1	20007	70006	43842	160084	125	325
6	G	2016-06-12	WIN	N	1-0	20006	70014	33742	160291	2	246
7	G	2016-06-13	WIN	N	2-0	20003	70002	43035	160176	89	188
8	G	2016-06-13	WIN	N	1-0	20010	70009	29400	160429	360	182
9	G	2016-06-13	DRAW	N	1-1	20008	70010	73419	160335	67	194

SQL Code:

```
SELECT venue_name, city
FROM soccer_venue a
JOIN soccer_city b ON a.city_id=b.city_id
JOIN match_mast d ON d.venue_id=a.venue_id
AND d.play_stage='F';
```

Code Explanation:

The given query in SQL that returns a list of all the venue names and their corresponding cities where matches with play_stage 'F' were held..

The query uses two JOIN operations to link the soccer_venue and soccer_city tables based on the common city_id column. It then uses a third JOIN operation to link the match_mast table with the previous result set based on the common venue_id column. The ON condition for this JOIN specifies that only rows where the play_stage column equals 'F' (which likely stands for "finals") are included in the final result set.

Output:

```
venue_name | city
-----+-----
Stade de France | Saint-Denis
(1 row)
```