

"SQL Social-Network Modification Exercises" (Stanford DB open class)

Asked 9 years, 2 months ago Modified 6 years, 2 months ago Viewed 2k times

▲
-2 For all cases where A is friends with B, and B is friends with C, add a new friendship for the pair A and C. Do not add duplicate friendships, friendships that already exist, or friendships with oneself.

▼ My attempt is as follows, which resulted in a syntax error:

★

🕒

```
insert into Friend
select F1.ID1, F2.ID2
from Friend F1, Friend F2
where F1.ID2 = F2.ID1 and F1.ID1 <> F2.ID2 and (F1.ID1, F2.ID2) not in (
select * from Friend
);
```

The expected query result should be (which couldn't be produced from the above query):

1025	John	12	2
1101	Haley	10	3
1247	Alexis	11	7
1304	Jordan	12	8
1316	Austin	11	6
1381	Tiffany	9	6
1468	Kris	10	6
1501	Jessica	11	7
1510	Jordan	9	5
1641	Brittan	10	3
1661	Logan	12	4
1689	Gabriel	9	8
1709	Cassand	9	7
1782	Andrew	10	10
1911	Gabriel	11	5
1934	Kyle	12	7

The database schema and data are:

Highschooler		
ID	name	grade
1510	Jordan	9
1689	Gabriel	9
1381	Tiffany	9
1709	Cassandra	9
1101	Haley	10
1782	Andrew	10
1468	Kris	10
1641	Brittany	10
1247	Alexis	11
1316	Austin	11
1911	Gabriel	11
1501	Jessica	11
1304	Jordan	12
1025	John	12

1934	Kyle	12
1661	Logan	12

Friend

ID1	ID2
1510	1381
1510	1689
1689	1709
1381	1247
1709	1247
1689	1782
1782	1468
1782	1316
1782	1304
1468	1101
1468	1641
1101	1641
1247	1911
1247	1501
1911	1501
1501	1934
1316	1934
1934	1304
1304	1661
1661	1025
1381	1510
1689	1510
1709	1689
1247	1381
1247	1709
1782	1689
1468	1782
1316	1782
1304	1782
1101	1468
1641	1468
1641	1101
1911	1247
1501	1247
1501	1911
1934	1501
1934	1316
1304	1934
1661	1304
1025	1661

Likes

ID1	ID2
1689	1709
1709	1689
1782	1709
1911	1247
1247	1468
1641	1468
1316	1304
1501	1934
1934	1501
1025	1101

[sql](#) [database](#) [sqlite](#) [Edit tags](#)

[Share](#) [Edit](#) [Follow](#) [Close](#) [Flag](#)

[Protect](#)

edited Feb 11, 2016 at 1:53

[Community](#) [Bot](#)

asked Feb 11, 2013 at 3:49

[dwstu](#)



1 1



809 10 12

-
- 1 Post schema and exact error message. Ideally, create an [sqlfiddle](#), including data – [Bohemian](#) ♦ Feb 11, 2013 at 4:03
-
- Hi @Bohemian, the schema was listed in the original post. The error message was SQLite exception: 1, near ",": syntax error . sqlfiddle is cool! The sqlfiddle for this post is [here](#) – [dwstu](#) Feb 11, 2013 at 16:49
-

2 Answers

Sorted by:
[Reset to default](#)

Date modified (newest first)

You can do it this way,

4

```

insert into Friend
select distinct F1.ID1, F2.ID2
from Friend F1, Friend F2
where F1.ID2 = F2.ID1 and F1.ID1<>F2.ID2
and F1.ID1 not in (select F3.ID1 from Friend F3 where F3.ID2=F2.ID2);

```



Share Edit Follow Flag

answered Feb 11, 2013 at 4:21

[randomp](#)

357 1 5 18

This post is hidden. It was [deleted](#) 6 years ago by [ChrisF](#) ♦.

-1

Hi Can you please explain above query



Share Edit Follow Flag

answered Feb 10, 2016 at 10:31
user5907772

-
- 2 This is really a comment, not an answer. With a bit more rep, [you will be able to post comments](#).
 – [Bhargav Rao](#) Feb 10, 2016 at 10:32
-

Comments disabled on deleted / locked posts / reviews