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

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



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.



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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
     Jordan 12 8
1304
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
```

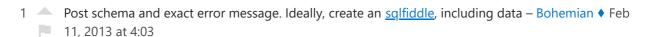
The database schema and data are:

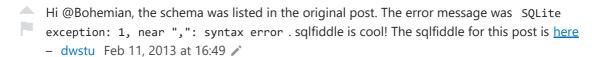
```
Highschooler
ID name
            grade
1510 Jordan
1689 Gabriel 9
1381 Tiffany 9
1709 Cassandra 9
1101 Haley 10
    Andrew
1782
1468 Kris
             10
1641 Brittany 10
1247 Alexis 11
1316 Austin
            11
1911 Gabriel 11
1501 Jessica 11
1304 Jordan 12
1025 John 12
```

```
1934
       Kyle
                  12
                  12
1661
       Logan
Friend
ID1
       ID2
1510
       1381
1510
       1689
1689
       1709
1381
       1247
1709
       1247
1689
       1782
1782
       1468
1782
       1316
     1304
1782
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
       1782
1316
1304 1782
1101 1468
1641 1468
1641
      1101
1911
      1247
      1247
1501
       1911
1501
1934
       1501
1934
       1316
1304
     1934
      1304
1661
1025
       1661
Likes
       ID2
ID1
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







2 Answers

Sorted by: Reset to default



You can do it this way,

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answered Feb 11, 2013 at 4:21





7 This post is hidden. It was <u>deleted</u> 6 years ago by <u>ChrisF</u> ◆.

'

Hi Can you please explain above query

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answered Feb 10, 2016 at 10:31 user5907772

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– Bhargav Rao Feb 10, 2016 at 10:32

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