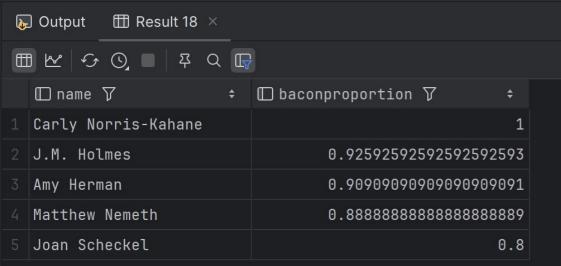
```
1 /*
2 Determine the top 5 actors, writers, or producers who have
3 worked on the same movie as Kevin Bacon by the proportion of
4 their projects they worked on movies with Kevin Bacon vs how
5 many projects they worked on (but only report for people who
6 have worked on at least 5 movie projects).
 7 */
9 create temp table baconMovies as
10 select tconst
11 from titlePrincipals p
12 join nameBasics b on p.nconst = b.nconst
13 where b.primaryname = 'Kevin Bacon';
14
15 create temp table eligiblePeople as
16 select distinct p.nconst
17 from baconMovies b
18 join titlePrincipals p on b.tconst = p.tconst
19 where (p.category = 'actor' or p.category = 'writer' or p.category = 'producer')
   and p.nconst not in (select nconst from nameBasics where primaryname = 'Kevin Bacon
   ');
21
22 select q1.name, ((q2.baconMovies*1.0)/q1.totalMovies) as baconProportion
23 from(
24
       select n.primaryname as name, count(distinct p.tconst) as totalMovies
25
      from titleprincipals p join eligiblePeople e on p.nconst = e.nconst
26
      join nameBasics n on n.nconst = e.nconst
27
      where (p.category = 'actor' or p.category = 'writer' or p.category = 'producer')
28
      group by n.primaryname
      having count(distinct p.tconst) >=5
29
30
       ) as q1,
```

```
31
32
       select n.primaryname as name, count(distinct p.tconst) as baconMovies
33
       from titleprincipals p
34
       join eligiblePeople e on p.nconst = e.nconst
35
       join nameBasics n on n.nconst = e.nconst
36
       join baconMovies b on b.tconst = p.tconst
       where (p.category = 'actor' or p.category = 'writer' or p.category = 'producer')
37
       group by n.primaryname
38
39
       ) as q2
40 where q1.name = q2.name
41 order by baconProportion desc
42 limit 5;
43
44 /* Testing */
45 select distinct p.tconst, n.primaryname
46 from titleprincipals p, nameBasics n
47 where n.primaryname = 'Carly Norris-Kahane' and n.nconst = p.nconst;
48
49 select distinct p.tconst, n.primaryname
50 from titleprincipals p, namebasics n
51 where n.primaryname = 'Kevin Bacon' and n.nconst = p.nconst
52
    and p.tconst in (select distinct p.tconst from titleprincipals p, nameBasics n
  where n.primaryname = 'Carly Norris-Kahane' and n.nconst = p.nconst);
53 /* should be 8 */
```



csv ∨ <u>↓</u> <u>↑</u> <u>↓</u> <u>0</u> ©