

```

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   */
8
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')
20 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
29     having count(distinct p.tconst) >=5
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
37  where (p.category = 'actor' or p.category = 'writer' or p.category = 'producer')
38  group by n.primaryname
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
53 where n.primaryname = 'Carly Norris-Kahane' and n.nconst = p.nconst);
54 /* should be 8 */

```

