Time: 7215.860 ms
Query 6

author	collaborators_count
Wei Wang	2326
Wei Li	2260
Yang Liu	1973
Wei Zhang	1942
Lei Wang	1909
Jing Li	1894
Jun Wang	1881
Li Zhang	1840
Lei Zhang	1837
Yu Zhang	1768

(10 rows)

Time: 72091.714 ms
Query 7

name	publication_count
Alfredo Cuzzocrea	92
Sören Auer	87
Wolfgang Lehner	73
Erik Mannens	67
Francisco Herrera	65
Ruben Verborgh	64
Jun Wang	64
Rajiv Ranjan	62
Albert Y. Zomaya	59
Fan Zhang	58

(10 rows)

Time: 8765.513 ms

```
  icinco
Time: 799.198 ms
Query 9a
         name           | author_id
------------------------+-----------
 Rolf Hennicker         |     51341
 Pascal Van Hentenryck  |     96270
 Mark Horowitz          |    129809
 Seth Hutchinson        |    141854
 Geoffrey E. Hinton     |    279157
 Thomas S. Huang        |    370588
 Johan Håstad           |    493321
 Joseph Y. Halpern      |    557281
 Wen-mei W. Hwu         |    573355
 Richard I. Hartley     |    616566
 David Hutchison        |    665068
 Pierre Hansen          |    678851
 Michael Hanus          |    727270
 Frank van Harmelen     |    739432
 Lenwood S. Heath       |    790207
 Vincent Hayward        |    839773
 Ali R. Hurson          |   1044790
 Theo Härder            |   1214753
 Alan R. Hevner         |   1228319
 Jenq-Neng Hwang        |   1289948
 Juraj Hromkovic        |   1318627
 Maurice Herlihy        |   1482693
 David Harel            |   1529416
 Richard Hull           |   1593795
 John P. Hayes          |   1709531
 Manuel V. Hermenegildo |   1805493
 James A. Hendler       |   1811366
 Scott E. Hudson        |   1848579
 David Haussler         |   1888135
 Nicholas J. Higham     |   1906306
 Matthew Hennessy       |   1969159
(31 rows)

Time: 13033.551 ms
Query 9b
 author_id |          name          | count
-----------+------------------------+-------
    259865 | J. Barkley Rosser      |    18
    466390 | Alonzo Church          |     6
    544831 | Emil L. Post           |     3
    788422 | C. I. Lewis            |     1
    986737 | W. V. Quine            |    28
   1266027 | Frederic Brenton Fitch |    30
   1436589 | Arnold F. Emch         |     3
   1824470 | C. J. Ducasse          |     4
(8 rows)

Time: 10071.165 ms
```

```
Time: 2211.374 ms
Query 3b
 publication_id |   category    |            key             | conf_name | parent_type |   mdate    |          title          | year | journal | month
----------------+---------------+----------------------------+-----------+-------------+------------+-------------------------+------+---------+-------
        1828377 | inproceedings | conf/bmvc/MowforthSJU90    | bmvc      | conf        | 2017-05-21 | A head called Richard.   | 1990 |         |
(1 row)

Time: 1568.259 ms
Query 3c
         name
-----------------------
 Andrew Blake 0001
 Andrew Zisserman
 Chris Harris
 Christopher J. Taylor
 David A. Forsyth
 David W. Murray
 Geoffrey D. Sullivan
 J. Michael Brady
 John E. W. Mayhew
 John P. Frisby
 John Porrill
 Joseph L. Mundy
 Keith D. Baker
 Neil A. Thacker
 Robert B. Fisher
 Stephen Pollard
(16 rows)

Time: 1776.591 ms
Query 1
    category   |  count
---------------+---------
 incollection  |   44075
 article       | 1417310
 inproceedings | 1772684
 book          |    9359
(4 rows)

Time: 5792.116 ms
Query 2
' conf_name
-----------
 aaai
 acl
 amcc
 amcis
 amia
 atal
 ccnc
 cec
 chi
 dagstuhl
 gecco
 hci
 hicss
 icc
 iccsa
 icdcs
 iceis
 icic
 icinco
 icml
 icphs
 icpp
 icra
 icse
 ijcai
 ijcnn
 ipps
 iwcmc
 mipro
 naacl
 ni
 pdpta
 sac
 siu
 www
(35 rows)

Time: 1699.737 ms
Query 3a
 publication_id | category |             key              | conf_name | parent_type |   mdate    |                          title                          | year |        journal        | month
----------------+----------+------------------------------+-----------+-------------+------------+---------------------------------------------------------+------+-----------------------+-------
             37 | article  | journals/acta/GlabbeekG015   | acta      | journals    | 2017-05-28 | Special issue on Combining Compositionality and Concurrency: part 1. | 2015 | Acta Inf.             |
           1443 | article  | journals/acta/GlabbeekG015a  | acta      | journals    | 2017-05-28 | Special issue on Combining Compositionality and Concurrency: part 2. | 2015 | Acta Inf.             |
        1115948 | article  | journals/ife/GoltzRGHMV15    | ife       | journals    | 2017-09-16 | Design for future: managed software evolution.          | 2015 | Computer Science - R&D |
(3 rows)

Time: 2211.374 ms
```

```
Query 8
 conf_name
 -----------
 sigir
 edm
 interact
 gmds
 ijcai
 mmvr
 iassist
 mva
 ieaaie
 iccsa
 amia
 sac
 cse
 mipro
 amcc
 isvlsi
 aaai
 amcis
 ms
 icic
 mobisys
 appinf
 atal
 wscg
 iwcmc
 mie
 chi
 icra
 ipps
 icc
 cicc
 cgiv
 eucnc
 dac
 iccc
 icdcs
 siu
 hci
 icse
 icalp
 www
 ijcnn
 pics
 cec
 um
 icml
 ACISicis
 esann
 ccgrid
 iticse
 pdpta
 icphs
 gecco
 visapp
 naacl
 apcc
 ccnc
 fgr
 icinco
```

Query 4a

| name | author_id |
| name | author_id |
name	author_id
Mourad Ouzzani	7651
Laks V. S. Lakshmanan	112287
Johannes Gehrke	115356
Ugur Çetintemel	143198
Dan Suciu	174577
Shivnath Babu	200394
Wolfgang Lehner	229547
David Maier	233723
Haixun Wang	238177
M. Tamer Özsu	273848
Sihem Amer-Yahia	402174
Tim Kraska	437088
Jeffrey F. Naughton	466908
Jiawei Han 0001	476940
Stanley B. Zdonik	528462
Andrew Pavlo	556336
Jignesh M. Patel	563368
Samuel Madden	595841
Hector Garcia-Molina	607475
Nick Koudas	615126
Eugene Wu 0002	619539
Tova Milo	621928
Gao Cong	621990
Stefan Manegold	690433
Michael Stonebraker	710822
Xiaokui Xiao	739443
H. V. Jagadish	774268
Michael J. Franklin	776291
Thomas Neumann 0001	792363
Guoliang Li	832926
Renée J. Miller	852396
Neoklis Polyzotis	858320
Paolo Papotti	872421
Christian S. Jensen	920479
Jianzhong Li	935689
Xin Luna Dong	1050931
Philip S. Yu	1088681
Anthony K. H. Tung	1111524
Gustavo Alonso	1150755
Beng Chin Ooi	1166115
Donald Kossmann	1171809
Jun Yang 0001	1189325
Xuemin Lin	1209410
Magdalena Balazinska	1223240
Xifeng Yan	1226161
Alon Y. Halevy	1238221
Joseph M. Hellerstein	1239869
Lei Chen 0002	1244851
Yanlei Diao	1245635
Divyakant Agrawal	1356114
Christoph Koch 0001	1364732
Divesh Srivastava	1371376
Anastasia Ailamaki	1383413
Surajit Chaudhuri	1405498
Amol Deshpande	1425362
Vivek R. Narasayya	1437647
Ashwin Machanavajjhala	1454397

Time: 10071.165 ms
Query 10

firstname	count
David	10385
Michael	10181
Daniel	7691
Thomas	6440
Wei	5668

(5 rows)

Time: 26491.250 ms

Alfons Kemper		1501613
Amr El Abbadi		1502605
Mohamed F. Mokbel		1538446

Time: 2339.227 ms
Query 4b

^[[18~^[[18~^[[18~^[[18~^[[18~^[[18~^[[18~^[[18~^[[18~^[[18~^[[18~^[[18~^[[18~   name
----
 Wenfei Fan
 Jignesh M. Patel
 Magdalena Balazinska
 Michael J. Franklin
 Mohamed F. Mokbel
 Dan Suciu
 Samuel Madden
 Tova Milo
 Anastasia Ailamaki
 Ihab F. Ilyas
 Jens Dittrich
 Tim Kraska
 Thomas Neumann 0001
 Christian S. Jensen
 Christopher Ré
(15 rows)

Time: 3729.915 ms
Query 5
 y3 | count
-----+---------
 200 | 1331086
 201 | 1912862
 198 | 117634
 199 | 407435
 197 | 38947
(5 rows)

Time: 7215.860 ms