```
Last login: Wed Apr 17 22:24:09 2019 from 192.168.60.3
gwolf@vma25:~$ cd class/h07/q03
gwolf@vma25:~/class/h07/q03$ ls
a03.bak  a03.txt  check03.sh  q03.sh  q03.sql
gwolf@vma25:~/class/h07/q03$ cat q03.sh
#!/bin/bash
echo -e "use sales;" > q03.sql
for num in {1..34}; do
        echo -e "select fname, lname, owner_id from owners where owner_id='$num';"
        echo -e "select count(*), owner_id from dealers where owner_id='$num';"
        echo -e "select fname, lname, owner_id from agents where owner_id='$num';"
done >> q03.sql
gwolf@vma25:~/class/h07/q03$ ./q03.sh
gwolf@vma25:~/class/h07/q03$ cat q03.sql
use sales;
select fname, lname, owner_id from owners where owner_id='1';
select count(*), owner_id from dealers where owner_id='1';
select fname, lname, owner_id from agents where owner_id='1';
select fname, lname, owner_id from owners where owner_id='2';
select count(*), owner_id from dealers where owner_id='2';
select fname, lname, owner_id from agents where owner_id='2';
select fname, lname, owner_id from owners where owner_id='3';
select count(*), owner_id from dealers where owner_id='3';
select fname, lname, owner_id from agents where owner_id='3';
select fname, lname, owner_id from owners where owner_id='4';
select count(*), owner_id from dealers where owner_id='4';
select fname, lname, owner_id from agents where owner_id='4';
select fname, lname, owner_id from owners where owner_id='5';
select count(*), owner_id from dealers where owner_id='5';
select fname, lname, owner_id from agents where owner_id='5';
select fname, lname, owner_id from owners where owner_id='6';
select count(*), owner_id from dealers where owner_id='6';
select fname, lname, owner_id from agents where owner_id='6';
select fname, lname, owner_id from owners where owner_id='7';
select count(*), owner_id from dealers where owner_id='7';
select fname, lname, owner_id from agents where owner_id='7';
select fname, lname, owner_id from owners where owner_id='8';
select count(*), owner_id from dealers where owner_id='8';
select fname, lname, owner_id from agents where owner_id='8';
select fname, lname, owner_id from owners where owner_id='9';
select count(*), owner_id from dealers where owner_id='9';
select fname, lname, owner_id from agents where owner_id='9';
select fname, lname, owner_id from owners where owner_id='10';
select count(*), owner_id from dealers where owner_id='10';
select fname, lname, owner_id from agents where owner_id='10';
select fname, lname, owner_id from owners where owner_id='11';
select count(*), owner_id from dealers where owner_id='11';
select fname, lname, owner_id from agents where owner_id='11';
select fname, lname, owner_id from owners where owner_id='12';
select count(*), owner_id from dealers where owner_id='12';
select fname, lname, owner_id from agents where owner_id='12';
select fname, lname, owner_id from owners where owner_id='13';
select count(*), owner_id from dealers where owner_id='13';
select fname, lname, owner_id from agents where owner_id='13';
select fname, lname, owner_id from owners where owner_id='14';
select count(*), owner_id from dealers where owner_id='14';
select fname, lname, owner_id from agents where owner_id='14';
select fname, lname, owner_id from owners where owner_id='15';
select count(*), owner_id from dealers where owner_id='15';
select fname, lname, owner_id from agents where owner_id='15';
select fname, lname, owner_id from owners where owner_id='16';
select count(*), owner_id from dealers where owner_id='16';
select fname, lname, owner_id from agents where owner_id='16';
select fname, lname, owner_id from owners where owner_id='17';
select count(*), owner_id from dealers where owner_id='17';
select fname, lname, owner_id from agents where owner_id='17';
select fname, lname, owner_id from owners where owner_id='18';
select count(*), owner_id from dealers where owner_id='18';
select fname, lname, owner_id from agents where owner_id='18';
select fname, lname, owner_id from owners where owner_id='19';
select count(*), owner_id from dealers where owner_id='19';
select fname, lname, owner_id from agents where owner_id='19';
select fname, lname, owner_id from owners where owner_id='20';
select count(*), owner_id from dealers where owner_id='20';
```

```
select fname, lname, owner_id from agents where owner_id='20';
select fname, lname, owner_id from owners where owner_id='21';
select count(*), owner_id from dealers where owner_id='21';
select fname, lname, owner_id from agents where owner_id='21';
select fname, lname, owner_id from owners where owner_id='22';
select count(*), owner_id from dealers where owner_id='22';
select fname, lname, owner_id from agents where owner_id='22';
select fname, lname, owner_id from owners where owner_id='23';
select count(*), owner_id from dealers where owner_id='23';
select fname, lname, owner_id from agents where owner_id='23';
select fname, lname, owner_id from owners where owner_id='24';
select count(*), owner_id from dealers where owner_id='24';
select fname, lname, owner_id from agents where owner_id='24';
select fname, lname, owner_id from owners where owner_id='25';
select count(*), owner_id from dealers where owner_id='25';
select fname, lname, owner_id from agents where owner_id='25';
select fname, lname, owner_id from owners where owner_id='26';
select count(*), owner_id from dealers where owner_id='26';
select fname, lname, owner_id from agents where owner_id='26';
select fname, lname, owner_id from owners where owner_id='27';
select count(*), owner_id from dealers where owner_id='27';
select fname, lname, owner_id from agents where owner_id='27';
select fname, lname, owner_id from owners where owner_id='28';
select count(*), owner_id from dealers where owner_id='28';
select fname, lname, owner_id from agents where owner_id='28';
select fname, lname, owner_id from owners where owner_id='29';
select count(*), owner_id from dealers where owner_id='29';
select fname, lname, owner_id from agents where owner_id='29';
select fname, lname, owner_id from owners where owner_id='30';
select count(*), owner_id from dealers where owner_id='30';
select fname, lname, owner_id from agents where owner_id='30';
select fname, lname, owner_id from owners where owner_id='31';
select count(*), owner_id from dealers where owner_id='31';
select fname, lname, owner_id from agents where owner_id='31';
select fname, lname, owner_id from owners where owner_id='32';
select count(*), owner_id from dealers where owner_id='32';
select fname, lname, owner_id from agents where owner_id='32';
select fname, lname, owner_id from owners where owner_id='33';
select count(*), owner_id from dealers where owner_id='33';
select fname, lname, owner_id from agents where owner_id='33';
select fname, lname, owner_id from owners where owner_id='34';
select count(*), owner_id from dealers where owner_id='34';
select fname, lname, owner_id from agents where owner_id='34';
gwolf@vma25:~/class/h07/q03$
```

```
gwolf@vma25:~$ cd class/h07/q04
gwolf@vma25:~/class/h07/q04$ ls
a04.bak  a04.txt  check04.sh  q04.env  q04.sh  q04.sql  q04.txt
gwolf@vma25:~/class/h07/q04$ cat q04.sh
#!/bin/bash
if [ ! -e q04.env ]; then
        ln -s ../q02/q02.env q04.env
fi
if [ ! -e q04.sql ]; then
        ln -s ../q03/q03.sql q04.sql
fi

mysql -u$MYSQL_MGR -p$MYSQL_PMG < q04.sql > q04.txt
gwolf@vma25:~/class/h07/q04$ cat q04.txt
fname   lname   owner_id
Sally   Walker  1
count(*)        owner_id
2       1
fname   lname   owner_id
Connie  Russell 1
Terry   Jennings        1
Michelle        King    1
Lloyd   Wood    1
Freddie Harper  1
Margie  Ryan    1
Marilyn Hoffman 1
Veronica        Clark   1
Suzanne Simpson 1
Teresa  Smith   1
Leah    Foster  1
Edna    Kelley  1
Alma    James   1
Tyler   Lawson  1
fname   lname   owner_id
Ed      Tipton  2
count(*)        owner_id
1       2
fname   lname   owner_id
Peggy   Watson  2
Carla   Moore   2
Judith  Shelton 2
Marion  Shelton 2
Greg    Simpson 2
Pauline Snyder  2
fname   lname   owner_id
Kelly   Jones   3
count(*)        owner_id
1       3
fname   lname   owner_id
Sue     Mitchell        3
Billie  Taylor  3
Julian  Herrera 3
Maria   Smith   3
```

```
Sonia     Larson  3
Jeffery  Graham   3
fname    lname    owner_id
Patrick  Wallace  4
count(*)          owner_id
1        4
fname    lname    owner_id
Carl     Lucas    4
Jeanne   Campbell         4
Jerry    Russell  4
Julian   Miller   4
Elaine   Pena     4
Angela   Richards         4
Patsy    Dixon    4
Chad     Wilson   4
fname    lname    owner_id
Jonathan          Houseman         5
count(*)          owner_id
1        5
fname    lname    owner_id
Herman   Brooks   5
Christian         Lynch    5
Tyrone   Moreno   5
Norma    Snyder   5
Donna    Marshall         5
Douglas  Neal     5
Leona    Foster   5
Roger    Ford     5
fname    lname    owner_id
Ted      Frederick        6
count(*)          owner_id
1        6
fname    lname    owner_id
Ramon    Wagner   6
Rose     Torres   6
Greg     Rivera   6
Leslie   Dixon    6
Veronica          Day      6
Francis  Hall     6
Ronnie   Porter   6
Terri    Fuller   6
fname    lname    owner_id
Shelly   Walker   7
count(*)          owner_id
2        7
fname    lname    owner_id
Phillip  Schmidt  7
Francis  Green    7
Vincent  Meyer    7
Wade     Caldwell         7
Joy      Chavez   7
Naomi    Mills    7
Victor   Soto     7
Hilda    Patterson        7
Allan    Marshall         7
Roland   Fields   7
Salvador          Gardner  7
Emma     Wright   7
Darren   Ross     7
David    Alvarez  7
fname    lname    owner_id
Clark    Yancy    8
count(*)          owner_id
1        8
fname    lname    owner_id
Tracy    Parker   8
Donna    Rogers   8
fname    lname    owner_id
Adam     Glenn    9
count(*)          owner_id
1        9
fname    lname    owner_id
Randy    Hernandez        9
Kim      Hart     9
```

```
Daryl    Armstrong        9
Yvonne   Hicks    9
Javier   Spencer  9
Dwight   Harris   9
fname    lname    owner_id
Owen     Harrision        10
count(*)         owner_id
1        10
fname    lname    owner_id
Derrick  Burke    10
Felicia  Mason    10
Joan     Fields   10
Donna    Lambert  10
Joann    Bishop   10
Jennifer         Day      10
fname    lname    owner_id
Carl     King     11
count(*)         owner_id
1        11
fname    lname    owner_id
Edwin    Graves   11
Judith   Carroll  11
fname    lname    owner_id
Julie    Olson    12
count(*)         owner_id
1        12
fname    lname    owner_id
Terrence         Watkins 12
Marcus   Austin   12
Walter   Oliver   12
Ruby     Romero   12
fname    lname    owner_id
Earl     Donner   13
count(*)         owner_id
1        13
fname    lname    owner_id
Alan     Reynolds         13
Alfredo  Dixon    13
Danielle         Reid     13
Heather  Edwards  13
Leona    Hart     13
Terrance         Rose     13
Charlotte        Fowler   13
Geraldine        Carr     13
Stacey   Peters   13
fname    lname    owner_id
Howard   Olson    14
count(*)         owner_id
1        14
fname    lname    owner_id
Jacqueline       Elliott 14
Tommy    Woods    14
Joan     Bowman   14
Natalie  Gonzales         14
Maxine   Ramos    14
Monica   Shelton  14
Kelly    Murphy   14
Willie   Hall     14
Joan     Gardner  14
fname    lname    owner_id
Homer    Simpson 15
count(*)         owner_id
1        15
fname    lname    owner_id
Joanne   Cooper   15
Yolanda  Hunter   15
Harold   Gonzales         15
Glen     Crawford         15
Vickie   Freeman  15
Rhonda   Daniels  15
Gladys   Murray   15
Ida      Rose     15
Jon      Horton   15
fname    lname    owner_id
```

```
Samuel  Lance   16
count(*)        owner_id
1       16
fname   lname   owner_id
Anita   Lambert 16
Peter   Cole    16
Nina    Herrera 16
Sally   West    16
Bobbie  Morris  16
Mathew  Rodriguez       16
Emily   Medina  16
Lynn    Baker   16
Ralph   Hansen  16
fname   lname   owner_id
Winston Kronnen 17
count(*)        owner_id
1       17
fname   lname   owner_id
Judy    Peterson        17
Jessica Richards        17
Pauline Larson  17
Tiffany Watkins 17
Danny   Carroll 17
Jimmie  Curtis  17
Tiffany Bennett 17
Jack    Scott   17
Derrick Rice    17
fname   lname   owner_id
Phil    Thomas  18
count(*)        owner_id
1       18
fname   lname   owner_id
Hazel   Hughes  18
Marc    Rodriguez       18
Jeanne  Hernandez       18
Ernest  Daniels 18
Megan   Watkins 18
Keith   Graham  18
Joann   Rice    18
Walter  Sanchez 18
fname   lname   owner_id
Bill    Travers 19
count(*)        owner_id
1       19
fname   lname   owner_id
Glenn   Carroll 19
Melanie Oliver  19
Jerome  Powell  19
Gwendolyn       King    19
Dennis  Evans   19
Franklin        Washington      19
Ashley  West    19
Georgia Simpson 19
fname   lname   owner_id
Maureen Isern   20
count(*)        owner_id
3       20
fname   lname   owner_id
Lori    Watson  20
Ann     Tucker  20
Gail    Thompson        20
Colleen Nichols 20
Carlos  Young   20
Roger   Soto    20
Irene   Morrison        20
Gladys  Romero  20
Charlene        Simpson 20
Jorge   Sullivan        20
Ana     White   20
Bryan   Young   20
Brad    Gregory 20
Christy Stephens        20
Julio   Edwards 20
Jamie   Medina  20
```

```
Jesus    Rivera   20
Stacey   Lynch    20
Danny    Adams    20
Violet   Evans    20
fname    lname    owner_id
Walter   Young    21
count(*)          owner_id
2        21
fname    lname    owner_id
Corey    Jenkins  21
Mark     Baker    21
Calvin   Payne    21
Marcus   Arnold   21
Mitchell          Holland  21
Edna     Garrett  21
Esther   Fleming  21
Adrian   Green    21
Vera     Johnson  21
Jeanne   Jensen   21
Clifton  Wallace  21
Luis     Garcia   21
fname    lname    owner_id
Barbara  Porter   22
count(*)          owner_id
1        22
fname    lname    owner_id
Alicia   Shelton  22
Jacob    Fuller   22
Josephine         Hall     22
Harry    Wallace  22
Eduardo  Mcdonald          22
Hazel    Sullivan          22
fname    lname    owner_id
Greg     Freeman  23
count(*)          owner_id
1        23
fname    lname    owner_id
Tanya    Perkins  23
fname    lname    owner_id
John     Palmer   24
count(*)          owner_id
1        24
fname    lname    owner_id
Rita     Hill     24
Regina   Shelton  24
Pearl    Perkins  24
Marion   Wright   24
Samantha          Howard   24
Samuel   Scott    24
fname    lname    owner_id
Jimmy    Carter   25
count(*)          owner_id
1        25
fname    lname    owner_id
Leonard  Rodriguez         25
Carolyn  Lawson   25
Sheila   Graham   25
Roland   Walker   25
Arnold   Coleman  25
Jose     Lucas    25
fname    lname    owner_id
Sammy    Samuels  26
count(*)          owner_id
1        26
fname    lname    owner_id
Floyd    Romero   26
Marshall          Shelton  26
fname    lname    owner_id
Thomas   Griner   27
count(*)          owner_id
1        27
fname    lname    owner_id
Joseph   Harvey   27
Gerald   Berry    27
```

```
Bobby   Wells   27
Sean    Knight  27
Laura   Burns   27
fname   lname   owner_id
Jon     Adams   28
count(*)        owner_id
1       28
fname   lname   owner_id
Andre   Hicks   28
Sean    Spencer 28
Brad    Anderson        28
Raul    Bryant  28
Arthur  Freeman 28
fname   lname   owner_id
Phil    Duncan  29
count(*)        owner_id
1       29
fname   lname   owner_id
Clayton Wells   29
John    Mitchell        29
Milton  Morgan  29
Katherine       Martinez        29
Adam    Shelton 29
fname   lname   owner_id
Robert  Newton  30
count(*)        owner_id
1       30
fname   lname   owner_id
Caroline        Torres  30
Ken     Webb    30
Georgia Rice    30
Jorge   Rodriquez       30
Michele Bennett 30
Bill    Jensen  30
fname   lname   owner_id
Francis Riverside       31
count(*)        owner_id
1       31
fname   lname   owner_id
Kyle    Jones   31
Alfred  Jimenez 31
Patsy   Lambert 31
Sean    Anderson        31
Tracey  Morris  31
Alvin   Fox     31
fname   lname   owner_id
Martin  Zeigler 32
count(*)        owner_id
1       32
fname   lname   owner_id
Jerry   Washington      32
Hector  Webb    32
Brian   Gonzales        32
Linda   Carr    32
Larry   Fleming 32
Amber   Armstrong       32
fname   lname   owner_id
Hank    Moosebury       33
count(*)        owner_id
1       33
fname   lname   owner_id
Jenny   Castro  33
Roger   Hudson  33
Maureen Gonzales        33
Katrina Crawford        33
Albert  Pearson 33
Terri   Craig   33
fname   lname   owner_id
Edward  Kaplan  34
count(*)        owner_id
1       34
fname   lname   owner_id
Roger   Murphy  34
Bill    Alvarez 34
```

```
Jason    Lee     34
Darrell Alvarez 34
Courtney        Henry   34
Ruth    Rice    34
gwolf@vma25:~/class/h07/q04$
```