#Exercise 1

connecting to the database

USE fe513data;

SHOW databases;

SHOW tables;

describing the column information for the accounting table

DESCRIBE accounting;

Using the SELECT query to show the number of records with NULL value in commonequity column.

SELECT COUNT(*) FROM accounting WHERE commonequity IS NULL;

SELECT COUNT(row_names) FROM accounting WHERE commonequity IS NULL;

Use SELECT query to show all records from ticker GOOGL.

SELECT * FROM accounting WHERE ticker = 'GOOGL';

#Example testing

#SELECT * FROM accounting WHERE year >= 2015;

Use SELECT query to show total number of commonequity of GOOGL records. The result should only have 1 row.

SELECT SUM(commonequity) FROM accounting WHERE ticker = 'GOOGL';

#Exercise 2

#Use both component and accounting table. Write only one SELECT query to return the results.

#The results should include all records in accounting table whose ticker is included in component table.

#Created two different SELECT statements for this as a RIGHT JOIN seemed needed in order to match the records from the accounting table to the values in the component table.

DESCRIBE accounting;

DESCRIBE component;

SELECT * FROM accounting, component

WHERE accounting.ticker = component.ticker;

SELECT * FROM accounting

RIGHT JOIN component ON accounting.ticker = component.ticker;

Write only one SELECT query with JOIN syntax to return the results.

#The results should include all records from accounting table whose ticker is included in component table and the year of the record is 2016.

SELECT * FROM accounting

RIGHT JOIN component ON accounting.ticker = component.ticker

WHERE year = 2016;

Exercise #3

library(RMySQL)

install.packages('quantmod')

library(quantmod)

load driver

drv <- dbDriver("MySQL")

establish connection

con <- dbConnect(drv, user = "gang", password = "gang",

```
        host = "localhost", dbname = "fe513data")


#list tables

dbListTables(con)


#create a query that we can run to pick up a ticker from component table and download 1-year daily

#stock price data using R API and save it into a data frame (STOCK DATA).


STOCK_DATA <- as.data.frame(getSymbols("YHOO", src = "google", from = "2016-01-01",to = "2017-01-
01", auto.assign = FALSE))

STOCK_DATA


# Use R to get the date range of your stock data (stock date range).

names(STOCK_DATA)

stock_data_range <- range(row.names(STOCK_DATA))

stock_data_range


#Use R API to run a SELECT query to extract records from accounting table.

#The records in result should have date within the stock date range

#and are ordered based on date (ascending). Normally, you should get more

#than 1 records. And the result is in data frame format (ACCT DATA).

stock_dates <- row.names(STOCK_DATA)

data <- data.frame(a = c(stock_dates))


dbWriteTable(con, "stock_data", data)


accountquery <- dbSendQuery(con, "SELECT * FROM accounting WHERE date IN (SELECT a FROM
stock_data) ORDER BY date ASC")
```

ACCT_DATA <- dbFetch(accountquery)

ACCT_DATA

#Save result in a CSV file

getwd()

write.csv(ACCT_DATA, "ACCT_DATE.csv")

Use the data frame (ACCT DATA) in previous question and get the

record(s) with the same ticker as your stock data. (Because you just down-

loaded 1-year data, the result may only include 1 record or no record.)

same_ticker <- ACCT_DATA[ACCT_DATA$ticker == 'YHOO',]

same_ticker

#disconnect from DB

dbDisconnect(con)

Output:


```
> library(RMySQL)
> library(quantmod)
>
> # load driver
> drv <- dbDriver("MySQL")
>
> # establish connection
> con <- dbConnect(drv, user = "gang", password = "gang",
+                  host = "localhost", dbname = "fe513data")
>
> #list tables
> dbListTables(con)
[1] "accounting" "component"  "stock_data"
>
> #create a query that we can run to pick up a ticker from component table an
d download 1-year daily
> #stock price data using R API and save it into a data frame (STOCK DATA).
>
```

```
> STOCK_DATA <- as.data.frame(getSymbols("YHOO", src = "google", from = "2016
-01-01",to = "2017-01-01", auto.assign = FALSE))
> STOCK_DATA
```

	YHOO.Open	YHOO.High	YHOO.Low	YHOO.Close	YHOO.Volume
2016-01-04	32.12	32.35	31.14	31.40	25176155
2016-01-05	31.55	32.32	31.53	32.20	14301076
2016-01-06	31.67	32.46	31.60	32.16	16047757
2016-01-07	30.97	31.19	30.02	30.16	21209071
2016-01-08	30.51	31.54	30.00	30.63	26322780
2016-01-11	30.65	30.75	29.74	30.17	17140122
2016-01-12	30.58	30.97	30.21	30.69	13198495
2016-01-13	30.89	31.17	29.32	29.44	16593732
2016-01-14	29.69	30.57	28.71	30.32	14995662
2016-01-15	29.28	29.77	28.58	29.14	17352014
2016-01-19	29.84	30.00	29.31	29.74	20036365
2016-01-20	28.98	29.11	27.44	28.78	20455096
2016-01-21	28.75	29.80	28.19	29.31	16073930
2016-01-22	29.97	30.52	29.31	29.75	16272093
2016-01-25	29.96	30.39	29.66	29.78	23095495
2016-01-26	29.76	30.19	29.62	29.98	11422624
2016-01-27	29.90	30.53	29.44	29.69	13269873
2016-01-28	30.59	30.63	28.60	28.75	15420511
2016-01-29	29.10	29.51	28.51	29.51	18718334
2016-02-01	29.27	29.78	28.79	29.57	12865755
2016-02-02	29.32	30.23	28.13	29.06	34088167
2016-02-03	28.45	28.61	26.57	27.68	55527649
2016-02-04	27.91	29.23	27.71	29.15	28516992
2016-02-05	29.06	29.14	27.72	27.97	16077452
2016-02-08	27.61	27.97	26.48	27.05	24473574
2016-02-09	26.64	27.69	26.51	26.82	13919057
2016-02-10	27.11	27.81	26.84	27.10	8933601
2016-02-11	26.46	26.97	26.15	26.76	11154923
2016-02-12	27.12	27.32	26.72	27.04	12986151
2016-02-16	27.98	29.44	27.94	29.28	20127286
2016-02-17	29.47	29.66	29.06	29.37	12891554
2016-02-18	29.56	30.14	29.39	29.42	15259369
2016-02-19	30.19	30.23	29.70	30.04	20706072
2016-02-22	30.65	31.21	30.39	31.17	21455295
2016-02-23	31.20	31.38	30.50	30.67	16847456
2016-02-24	30.41	31.12	29.80	30.95	12612029
2016-02-25	30.74	31.36	30.24	31.36	19842342
2016-02-26	31.68	31.90	31.22	31.37	16680156
2016-02-29	31.31	32.46	31.31	31.79	19208698
2016-03-01	32.04	32.85	32.04	32.80	14833638
2016-03-02	32.81	33.24	32.77	32.91	10458566
2016-03-03	32.71	33.21	32.42	32.88	11355589
2016-03-04	32.91	33.93	32.76	33.86	22915205
2016-03-07	33.68	34.38	33.59	33.96	22923982
2016-03-08	33.66	33.82	32.84	32.93	21007332
2016-03-09	33.09	33.52	32.78	33.51	12647144
2016-03-10	33.59	33.60	32.09	32.82	19451953
2016-03-11	33.29	33.86	32.84	33.81	11682714
2016-03-14	33.75	34.08	33.51	33.58	7960303
2016-03-15	33.32	33.46	33.11	33.26	10672318
2016-03-16	33.03	34.08	33.00	34.01	10975697
2016-03-17	33.88	34.55	33.87	34.28	9334078
2016-03-18	34.54	35.21	34.38	35.17	20488334

2016-03-21	35.00	36.10	35.00	35.47	13279376
2016-03-22	34.68	35.61	34.68	35.41	11272275
2016-03-23	35.43	35.70	34.71	34.80	12192595
2016-03-24	34.45	34.86	33.93	34.86	14101549
2016-03-28	35.39	35.45	34.62	35.23	12976815
2016-03-29	35.05	36.43	35.01	36.32	23166544
2016-03-30	36.61	37.28	36.44	36.56	19836459
2016-03-31	36.51	37.02	36.50	36.81	18666216
2016-04-01	36.54	36.88	36.31	36.48	13650354
2016-04-04	36.55	37.50	36.54	37.02	20203233
2016-04-05	36.70	36.92	36.22	36.41	12439202
2016-04-06	36.40	37.00	36.31	36.66	19418583
2016-04-07	35.86	37.25	35.72	36.17	38653774
2016-04-08	36.85	36.92	35.62	36.07	20251112
2016-04-11	36.38	36.84	36.32	36.48	13709569
2016-04-12	36.65	36.83	36.28	36.66	10439369
2016-04-13	36.94	37.35	36.90	37.31	17158703
2016-04-14	37.47	37.50	36.85	37.17	16608991
2016-04-15	37.13	37.15	36.42	36.51	19016188
2016-04-18	36.24	37.00	35.88	36.52	17723026
2016-04-19	36.46	36.73	36.11	36.33	20014080
2016-04-20	37.10	38.18	37.00	37.84	30758921
2016-04-21	37.92	38.12	37.35	37.67	11633739
2016-04-22	37.50	38.09	37.16	37.48	9071816
2016-04-25	37.47	37.54	37.18	37.23	9823457
2016-04-26	37.32	37.54	36.91	37.11	10059564
2016-04-27	37.52	37.59	36.63	36.95	16391163
2016-04-28	36.84	37.44	36.51	36.59	13148503
2016-04-29	36.51	36.98	36.15	36.60	11954114
2016-05-02	36.65	36.74	36.32	36.53	6581891
2016-05-03	36.25	36.41	35.91	36.01	8774971
2016-05-04	35.81	36.09	35.74	36.00	9649269
2016-05-05	37.06	37.45	36.86	36.94	13699177
2016-05-06	36.55	37.31	36.49	37.23	9208343
2016-05-09	36.97	37.35	36.92	37.18	6149115
2016-05-10	37.17	37.58	37.14	37.44	7171353
2016-05-11	37.28	37.63	37.20	37.37	9997359
2016-05-12	37.39	37.51	36.79	37.03	11169187
2016-05-13	36.91	37.07	36.38	36.48	10996727
2016-05-16	37.03	37.79	36.88	37.48	16976456
2016-05-17	37.44	37.70	37.25	37.27	11335505
2016-05-18	37.09	37.50	36.89	37.24	8465904
2016-05-19	36.94	37.23	36.67	37.02	7096480
2016-05-20	36.05	36.72	35.88	36.50	34311031
2016-05-23	36.46	36.94	36.43	36.66	7768631
2016-05-24	36.85	37.63	36.77	37.53	10601318
2016-05-25	36.63	36.96	35.47	35.59	33984864
2016-05-26	36.13	36.85	36.07	36.76	16277866
2016-05-27	36.88	37.88	36.84	37.82	14642533
2016-05-31	37.73	38.08	37.50	37.94	12873630
2016-06-01	37.25	37.74	36.56	36.65	22177647
2016-06-02	36.66	37.22	36.58	37.15	12179259
2016-06-03	37.11	37.11	36.50	36.60	12059105
2016-06-06	36.67	37.20	36.52	37.07	8426142
2016-06-07	36.90	36.99	36.62	36.73	14757059
2016-06-08	36.84	37.30	36.84	36.97	9181896
2016-06-09	36.82	37.73	36.71	37.35	14759107

2016-06-10	36.97	37.14	36.59	36.83	11216470
2016-06-13	36.70	36.91	36.42	36.47	6519751
2016-06-14	36.63	37.44	36.63	37.40	13023127
2016-06-15	37.43	37.60	37.10	37.32	10213170
2016-06-16	37.39	37.45	36.54	37.39	10634046
2016-06-17	37.43	37.44	36.81	36.94	12593900
2016-06-20	37.27	37.68	37.24	37.29	8957313
2016-06-21	37.37	37.55	37.20	37.40	5574603
2016-06-22	37.37	37.52	37.17	37.36	6279215
2016-06-23	37.64	37.78	37.41	37.78	7710892
2016-06-24	36.40	36.95	36.08	36.24	19657828
2016-06-27	35.87	36.01	35.05	35.22	14157606
2016-06-28	35.58	36.14	35.50	36.04	10990713
2016-06-29	36.25	37.08	36.25	36.86	10808162
2016-06-30	36.89	37.58	36.89	37.56	15209878
2016-07-01	37.56	38.08	37.43	37.99	10602792
2016-07-05	37.68	37.77	37.17	37.50	8746735
2016-07-06	37.43	37.56	37.13	37.51	8328101
2016-07-07	37.57	37.76	37.29	37.52	9031440
2016-07-08	37.53	37.84	37.06	37.74	8786614
2016-07-11	37.44	38.15	37.37	37.96	20342573
2016-07-12	38.00	38.33	37.87	37.89	15224047
2016-07-13	37.99	38.01	37.46	37.64	9566060
2016-07-14	37.85	38.35	37.85	37.96	10713015
2016-07-15	38.16	38.18	37.68	37.72	13513375
2016-07-18	37.68	37.97	37.50	37.95	16046777
2016-07-19	37.77	38.49	37.65	38.17	10393957
2016-07-20	38.36	38.93	38.26	38.90	8177973
2016-07-21	39.01	39.25	38.72	38.85	7671760
2016-07-22	38.90	39.42	38.78	39.38	11325660
2016-07-25	39.20	39.21	38.22	38.32	41814378
2016-07-26	38.07	38.83	37.90	38.76	15978647
2016-07-27	38.66	38.77	38.43	38.66	12148433
2016-07-28	38.58	38.64	38.23	38.52	7424404
2016-07-29	38.47	38.52	38.08	38.19	13199145
2016-08-01	38.18	38.89	38.10	38.80	9605006
2016-08-02	38.60	38.67	38.26	38.57	7504721
2016-08-03	38.43	38.55	38.28	38.39	5890051
2016-08-04	38.47	39.03	38.43	38.92	11000843
2016-08-05	39.00	39.15	38.90	38.99	9127094
2016-08-08	39.00	39.27	38.86	39.24	10131279
2016-08-09	39.24	39.31	39.10	39.24	5971530
2016-08-10	39.34	39.98	39.30	39.93	12981568
2016-08-11	41.12	41.73	40.93	41.27	23938864
2016-08-12	41.28	42.98	41.28	42.94	25182851
2016-08-15	43.18	43.29	42.43	42.67	14441784
2016-08-16	42.30	42.79	41.95	42.49	13793794
2016-08-17	42.39	42.75	42.39	42.70	8571927
2016-08-18	42.69	42.97	42.58	42.90	11294419
2016-08-19	42.80	43.12	42.64	43.02	9460753
2016-08-22	42.84	42.87	42.33	42.52	6229402
2016-08-23	42.61	42.91	42.45	42.60	8963786
2016-08-24	42.50	42.77	41.79	41.91	6930295
2016-08-25	41.83	42.24	41.73	42.03	5360912
2016-08-26	42.15	42.61	41.94	42.27	6327991
2016-08-29	42.20	42.46	42.08	42.26	4555600
2016-08-30	42.28	42.74	42.28	42.58	5804080

```
2016-08-31    42.46    42.80    42.46    42.75     7715941
2016-09-01    42.78    43.10    42.72    42.93     5575305
2016-09-02    43.27    43.60    43.08    43.28     7334914
2016-09-06    43.50    44.85    43.50    44.71    18125776
2016-09-07    44.55    44.92    44.19    44.35     9109446
2016-09-08    44.07    44.72    44.03    44.36     7882609
2016-09-09    43.92    44.15    42.82    42.92    12060737
2016-09-12    42.28    43.65    42.18    43.46    10808806
2016-09-13    43.19    43.52    42.69    43.04    10132044
2016-09-14    42.91    43.62    42.86    43.46    11625287
2016-09-15    43.41    44.05    43.22    43.99    12535634
2016-09-16    43.94    44.02    43.47    43.67    19093930
2016-09-19    43.92    43.95    43.00    43.19     7887375
2016-09-20    43.24    43.38    42.66    42.79     9788923
2016-09-21    42.89    44.22    42.89    44.14    12313680
2016-09-22    43.94    44.87    43.74    44.15    33355616
2016-09-23    43.50    43.76    42.54    42.80    31888521
2016-09-26    42.38    42.74    41.85    42.29    12745119
2016-09-27    42.43    43.41    42.32    43.37     8765715
2016-09-28    43.40    43.72    43.25    43.69     7418984
2016-09-29    43.17    43.30    42.43    42.57    13720746
2016-09-30    42.74    43.25    42.72    43.10    10374757
2016-10-03    42.95    43.18    42.82    43.13     7965922
2016-10-04    43.20    43.50    42.96    43.18     8998384
2016-10-05    43.23    43.87    43.22    43.71     6118487
2016-10-06    43.64    43.82    43.37    43.68     6293908
2016-10-07    43.26    43.68    43.12    43.22     8502112
2016-10-10    43.36    44.07    43.25    43.92     6573631
2016-10-11    43.87    44.08    42.49    42.68     9513283
2016-10-12    42.60    42.78    42.05    42.36     7290843
2016-10-13    42.00    42.08    41.17    41.62    15689711
2016-10-14    42.04    42.25    41.40    41.44     7781258
2016-10-17    41.35    41.94    41.24    41.79     8620369
 [ reached getOption("max.print") -- omitted 52 rows ]
>
> # Use R to get the date range of your stock data (stock date range).
> names(STOCK_DATA)
[1] "YHOO.Open"   "YHOO.High"   "YHOO.Low"    "YHOO.Close"  "YHOO.Volume"
> stock_data_range <- range(row.names(STOCK_DATA))
> stock_data_range
[1] "2016-01-04" "2016-12-30"
>
> #Use R API to run a SELECT query to extract records from accounting table.
> #The records in result should have date within the stock date range
> #and are ordered based on date (ascending). Normally, you should get more
> #than 1 records. And the result is in data frame format (ACCT DATA).
> stock_dates <- row.names(STOCK_DATA)
> data <- data.frame(a = c(stock_dates))
>
> dbWriteTable(con, "stock_data", data)
Error: Table stock_data exists in database, and both overwrite and append are
FALSE
>
> accountquery <- dbSendQuery(con, "SELECT * FROM accounting WHERE date IN (S
ELECT a FROM stock_data) ORDER BY date ASC")
>
> ACCT_DATA <- dbFetch(accountquery)
```

```
> ACCT_DATA
   row_names       date year ticker totalassets commonequity totalliabilitie
s      sales sector
1       6467 2016-02-29 2015   JOEY       0.055       -4.139            4.19
4      0.055     30
2       8193 2016-02-29 2015    JOF          NA           NA               N
A         NA     NA
3        886 2016-02-29 2015   EDUC      49.695       13.230           36.46
5     63.618     25
4       4807 2016-02-29 2015  JCOUF    1379.500     1120.300          259.20
0   2690.100     30
5      15861 2016-02-29 2015  ENGFF       0.043       -1.495            1.53
8      0.000     10
6      21630 2016-02-29 2015   ALB.      40.565       21.464           19.10
1      2.024     NA
7      10328 2016-02-29 2015    PPR          NA           NA               N
A         NA     NA
8      18450 2016-02-29 2015  CRDAF       6.974        6.915            0.05
9      0.000     15
9      12052 2016-02-29 2015    MHY          NA           NA               N
A         NA     NA
10       186 2016-02-29 2015   APOG     657.440      406.195          251.24
5    981.189     20
11     24299 2016-02-29 2015  RBMNF       0.609        0.259            0.35
0      0.000     15
12       923 2016-02-29 2015    EBF     392.188      298.546           93.64
2    568.973     20
13     25150 2016-02-29 2015  LRCPF       3.996        3.826            0.17
0      0.000     15
14     17236 2016-02-29 2015    RHT    4155.099     1334.432         2820.66
7   2046.930     45
15     24338 2016-02-29 2015  RRCPD       0.847        0.132            0.71
5      0.000     15
16     27731 2016-02-29 2015  DBLVF       4.475        4.064            0.41
1      0.000     15
17     15210 2016-02-29 2015    SCS    1808.600      736.900         1071.70
0   3060.000     20
18     16271 2016-02-29 2015  VITFF     133.213      126.154            7.05
9      0.000     15
19     22851 2016-02-29 2015  BYSWF       3.529       -0.251            3.78
0      0.000     10
20     11525 2016-02-29 2015  ECSIF      65.236       59.022            6.21
4      0.000     15
21       253 2016-02-29 2015    AZZ     983.371      481.216          502.15
5    903.192     20
22      3081 2016-02-29 2015   RMCF      30.316       18.479           11.83
7     40.457     30
23     14215 2016-02-29 2015   QEPC     141.538       67.919           73.28
2    309.237     25
24     19157 2016-02-29 2015    IEF          NA           NA               N
A         NA     NA
25      3511 2016-02-29 2015   REPR       8.394        7.118            1.27
6     12.247     35
26     15309 2016-02-29 2015  ABK.A          NA           NA               N
A         NA     40
27     21922 2016-02-29 2015   KAS.       1.295        0.969            0.32
6      0.000     15
```

28	9030	2016-02-29	2015	BZYR	0.004	-0.101	0.105	0.000	35
29	18332	2016-02-29	2015	PUXPF	15.785	12.714	3.071	0.000	15
30	10523	2016-02-29	2015	BBBY	6498.940	2559.540	3939.400	12103.887	25
31	19802	2016-02-29	2015	PDPTF	1.288	0.913	0.375	0.125	20
32	7369	2016-02-29	2015	KEEKF	0.511	-6.632	7.143	0.192	45
33	2523	2016-02-29	2015	SVU	4370.000	-441.000	4803.000	17529.000	30
34	13873	2016-02-29	2015	QNIIF	3.441	-2.084	5.507	2.575	20
35	4410	2016-02-29	2015	EMMS	316.606	-52.555	330.755	231.433	25
36	11969	2016-02-29	2015	MAGAA	0.014	-1.258	1.272	0.000	NA
37	457	2016-02-29	2015	CAMP	384.363	189.447	194.916	280.719	45
38	25500	2016-02-29	2015	SCTFD	0.114	-0.669	0.783	0.000	15
39	28232	2016-02-29	2015	ACST	28.517	27.220	1.297	0.038	35
40	6535	2016-02-29	2015	CUDA	419.804	-32.098	451.902	320.158	45
41	1267	2016-02-29	2015	HELE	1869.643	930.043	939.600	1545.701	25
42	29280	2016-02-29	2015	CWMCF	4.998	4.774	0.224	0.000	15
43	20808	2016-02-29	2015	IGD	NA	NA	NA	NA	NA
44	3754	2016-02-29	2015	EYC.	2.597	2.276	0.321	0.068	35
45	15088	2016-02-29	2015	BBRY	5534.000	3208.000	2326.000	2160.000	45
46	21382	2016-02-29	2015	IGA	NA	NA	NA	NA	NA
47	930	2016-02-29	2015	ETCC	44.292	-3.084	35.181	39.632	20
48	19618	2016-02-29	2015	NCZ	NA	NA	NA	NA	NA
49	23744	2016-02-29	2015	IAE	NA	NA	NA	NA	NA
50	19149	2016-02-29	2015	LQD	NA	NA	NA	NA	NA
51	14218	2016-02-29	2015	VLNSF	697.231	442.949	246.788	577.247	20
52	19175	2016-02-29	2015	SHY	NA	NA	NA	NA	NA
53	3496	2016-02-29	2015	SOTK	10.670	7.668	3.002	11.834	45
54	8983	2016-02-29	2015	ARWA	84.569	5.000	0.103	0.000	NA
55	23064	2016-02-29	2015	IRR	NA	NA	NA	NA	NA

#	id	date	fyear	tic					
56	20680	2016-02-29	2015	PKE	314.777	180.867	133.910	145.855	45
57	24259	2016-02-29	2015	SODI	12.201	11.512	0.689	8.395	45
58	28174	2016-02-29	2015	VIDE	11.944	8.460	3.484	11.622	45
59	15731	2016-02-29	2015	DSU	NA	NA	NA	NA	NA
60	183798	2016-02-29	2015	AACS	4.759	1.481	3.278	2.053	20
61	119497	2016-02-29	2015	LBIX	13.275	11.678	1.597	11.011	30
62	161570	2016-02-29	2015	RDIAF	58.517	3.507	55.010	47.339	15
63	240788	2016-02-29	2015	VDMRF	0.291	-0.017	0.308	0.000	15
64	4830	2016-02-29	2015	STZ	16965.000	6559.600	10273.200	6548.400	30
65	267260	2016-02-29	2015	BGMZF	46.760	35.340	11.420	13.192	15
66	276072	2016-02-29	2015	TAL	1061.379	436.980	620.642	619.949	25
67	19890	2016-02-29	2015	TIP	NA	NA	NA	NA	NA
68	161784	2016-02-29	2015	SGRNF	19.496	19.282	0.214	0.000	15
69	65420	2016-02-29	2015	TCS	763.768	207.068	556.700	794.630	25
70	167941	2016-02-29	2015	CSVI	203.215	155.974	47.241	224.725	45
71	171891	2016-02-29	2015	DBRM	9.601	-9.391	18.991	1.254	10
72	242544	2016-02-29	2015	BIOAF	2.153	1.719	0.434	0.369	35
73	29801	2016-02-29	2015	CLDS	0.003	-0.028	0.031	0.000	45
74	284636	2016-02-29	2015	ATZAF	401.118	112.682	288.436	542.463	25
75	243188	2016-02-29	2015	STBR	0.691	-0.617	1.308	0.000	10
76	103651	2016-02-29	2015	OPMZ	0.028	-0.223	0.251	0.000	25
77	22962	2016-02-29	2015	RAD	11277.010	581.428	10695.582	30736.657	30
78	159551	2016-02-29	2015	ESKYF	0.171	-1.180	1.351	0.000	15
79	237087	2016-02-29	2015	SAR	295.047	125.150	169.897	30.051	40
80	259587	2016-02-29	2015	DENR	2.454	1.537	0.917	0.000	10
81	159799	2016-02-29	2015	PLYFF	0.167	-0.002	0.169	0.000	15
82	19152	2016-02-29	2015	TLT	NA	NA	NA	NA	NA
83	298191	2016-02-29	2015	URPTF	651.550	649.479	2.071	-69.593	40

84	15697	2016-02-29	2015	SOHFF	0.992	-0.132	1.124	0.000	15
85	23828	2016-02-29	2015	DRWI	53.067	2.520	48.840	86.295	45
86	18576	2016-02-29	2015	NEPT	106.046	53.445	39.121	22.632	30
87	23185	2016-02-29	2015	MLNLF	1.734	1.696	0.038	0.000	15
88	24966	2016-02-29	2015	MKGI	2.898	-0.637	3.036	0.545	25
89	2150	2016-02-29	2015	PIR	819.191	284.757	534.434	1892.230	25
90	19456	2016-02-29	2015	NCV	NA	NA	NA	NA	NA
91	3541	2016-02-29	2015	VOXX	669.712	387.370	273.818	680.746	25
92	14463	2016-02-29	2015	KMX	14481.576	2904.786	11576.790	15832.211	25
93	21187	2016-02-29	2015	DONFF	1.266	0.220	1.046	0.000	15
94	10540	2016-02-29	2015	FINL	817.548	527.644	289.904	1888.888	25
95	22148	2016-02-29	2015	MTST	1.063	-1.770	2.833	0.000	35
96	14957	2016-02-29	2015	SNSGF	0.052	-5.491	5.227	0.318	45
97	5641	2016-03-31	2015	SUND	29.849	24.035	5.814	3.909	40
98	21266	2016-03-31	2015	SYUT	817.097	133.241	680.297	365.039	30
99	16164	2016-03-31	2015	EWPMF	14.816	13.146	1.670	3.203	10
100	22580	2016-03-31	2015	DTD	NA	NA	NA	NA	NA
101	9794	2016-03-31	2015	XAUMF	118.543	114.887	3.656	259.867	45
102	12821	2016-03-31	2015	QLGC	823.868	747.378	76.490	458.913	45
103	3693	2016-03-31	2015	LABL	1078.066	338.992	735.434	870.825	20
104	29273	2016-03-31	2015	ECAOF	7.313	4.843	2.539	0.000	10
105	15472	2016-03-31	2015	NTDOY	11536.221	10325.351	1209.758	4487.271	45
106	20799	2016-03-31	2015	CEI	14.792	1.627	12.391	0.968	10
107	5782	2016-03-31	2015	AGSM	NA	NA	NA	NA	15
108	16192	2016-03-31	2015	SVMLF	372.019	233.538	85.460	107.940	15
109	9172	2016-03-31	2015	UQM	23.351	21.712	1.639	5.307	25
110	17810	2016-03-31	2015	IWM	NA	NA	NA	NA	NA
111	24204	2016-03-31	2015	HGG	385.352	121.354	263.998	1959.998	25

[reached getOption("max.print") -- omitted 389 rows]

```
>
> #Save result in a CSV file
> getwd()
[1] "c:/Users/gang.ping.m.zhu/Documents/Stevens/FE582/HW/Assignment_1/HW1_S17
"
> write.csv(ACCT_DATA, "ACCT_DATE.csv")
>
> # Use the data frame (ACCT DATA) in previous question and get the
> # record(s) with the same ticker as your stock data. (Because you just down
-
> # loaded 1-year data, the result may only include 1 record or no record.)
>
> same_ticker <- ACCT_DATA[ACCT_DATA$ticker == 'YHOO',]
> same_ticker
[1] row_names           date                year                ticker              total
assets
[6] commonequity        totalliabilities sales                sector
<0 rows> (or 0-length row.names)
>
> #disconnect from DB
> dbDisconnect(con)
[1] TRUE
Warning message:
Closing open result sets
```