**#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 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

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 (SELECT a FROM stock\_data) ORDER BY date ASC")

>

> ACCT\_DATA <- dbFetch(accountquery)

> ACCT\_DATA

row\_names date year ticker totalassets commonequity totalliabilities sales sector

1 6467 2016-02-29 2015 JOEY 0.055 -4.139 4.194 0.055 30

2 8193 2016-02-29 2015 JOF NA NA NA NA NA

3 886 2016-02-29 2015 EDUC 49.695 13.230 36.465 63.618 25

4 4807 2016-02-29 2015 JCOUF 1379.500 1120.300 259.200 2690.100 30

5 15861 2016-02-29 2015 ENGFF 0.043 -1.495 1.538 0.000 10

6 21630 2016-02-29 2015 ALB. 40.565 21.464 19.101 2.024 NA

7 10328 2016-02-29 2015 PPR NA NA NA NA NA

8 18450 2016-02-29 2015 CRDAF 6.974 6.915 0.059 0.000 15

9 12052 2016-02-29 2015 MHY NA NA NA NA NA

10 186 2016-02-29 2015 APOG 657.440 406.195 251.245 981.189 20

11 24299 2016-02-29 2015 RBMNF 0.609 0.259 0.350 0.000 15

12 923 2016-02-29 2015 EBF 392.188 298.546 93.642 568.973 20

13 25150 2016-02-29 2015 LRCPF 3.996 3.826 0.170 0.000 15

14 17236 2016-02-29 2015 RHT 4155.099 1334.432 2820.667 2046.930 45

15 24338 2016-02-29 2015 RRCPD 0.847 0.132 0.715 0.000 15

16 27731 2016-02-29 2015 DBLVF 4.475 4.064 0.411 0.000 15

17 15210 2016-02-29 2015 SCS 1808.600 736.900 1071.700 3060.000 20

18 16271 2016-02-29 2015 VITFF 133.213 126.154 7.059 0.000 15

19 22851 2016-02-29 2015 BYSWF 3.529 -0.251 3.780 0.000 10

20 11525 2016-02-29 2015 ECSIF 65.236 59.022 6.214 0.000 15

21 253 2016-02-29 2015 AZZ 983.371 481.216 502.155 903.192 20

22 3081 2016-02-29 2015 RMCF 30.316 18.479 11.837 40.457 30

23 14215 2016-02-29 2015 QEPC 141.538 67.919 73.282 309.237 25

24 19157 2016-02-29 2015 IEF NA NA NA NA NA

25 3511 2016-02-29 2015 REPR 8.394 7.118 1.276 12.247 35

26 15309 2016-02-29 2015 ABK.A NA NA NA NA 40

27 21922 2016-02-29 2015 KAS. 1.295 0.969 0.326 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

56 2068 2016-02-29 2015 PKE 314.777 180.867 133.910 145.855 45

57 2425 2016-02-29 2015 SODI 12.201 11.512 0.689 8.395 45

58 2817 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 18379 2016-02-29 2015 AACS 4.759 1.481 3.278 2.053 20

61 11949 2016-02-29 2015 LBIX 13.275 11.678 1.597 11.011 30

62 16157 2016-02-29 2015 RDIAF 58.517 3.507 55.010 47.339 15

63 24078 2016-02-29 2015 VDMRF 0.291 -0.017 0.308 0.000 15

64 483 2016-02-29 2015 STZ 16965.000 6559.600 10273.200 6548.400 30

65 26726 2016-02-29 2015 BGMZF 46.760 35.340 11.420 13.192 15

66 27607 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 16178 2016-02-29 2015 SGRNF 19.496 19.282 0.214 0.000 15

69 6542 2016-02-29 2015 TCS 763.768 207.068 556.700 794.630 25

70 16794 2016-02-29 2015 CSVI 203.215 155.974 47.241 224.725 45

71 17189 2016-02-29 2015 DBRM 9.601 -9.391 18.991 1.254 10

72 24254 2016-02-29 2015 BIOAF 2.153 1.719 0.434 0.369 35

73 2980 2016-02-29 2015 CLDS 0.003 -0.028 0.031 0.000 45

74 28463 2016-02-29 2015 ATZAF 401.118 112.682 288.436 542.463 25

75 24318 2016-02-29 2015 STBR 0.691 -0.617 1.308 0.000 10

76 10365 2016-02-29 2015 OPMZ 0.028 -0.223 0.251 0.000 25

77 2296 2016-02-29 2015 RAD 11277.010 581.428 10695.582 30736.657 30

78 15955 2016-02-29 2015 ESKYF 0.171 -1.180 1.351 0.000 15

79 23708 2016-02-29 2015 SAR 295.047 125.150 169.897 30.051 40

80 25958 2016-02-29 2015 DENR 2.454 1.537 0.917 0.000 10

81 15979 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 29819 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 totalassets

[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