10/23/2020 Exercise 2

Loading Data from a Database

making a connection to the database as follows

read a specific table called users

```
users <- dbReadTable(con, "users")</pre>
In [9]:
        print(users)
          id
                            login
                  name
          1 elisabeth elismith
           2
                  mike
                            mikey
        3 3
                  thea
                          teatime
        4
           4
                thomas tomatotom
        5 5
                oliver olivander
                  kate katebenn
           6
        7 7
                anjali
                           lianja
```

Exercises

1. Import the data from the other tables and print the data

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```
# import data from "tweats" table
In [11]:
          tweats table = dbReadTable(con, "tweats")
          print(tweats_table)
           id user_id
         1 75
                     3
         2 88
                     4
         3 77
                     6
         4 87
                     5
         5 49
                     1
         6 24
                                                                             post
         1
                                                   break egg. bake egg. eat egg.
         2
                                      wash strawberries. add ice. blend. enjoy.
         3
                                  2 slices of bread. add cheese. grill. heaven.
                          open and crush avocado. add shrimps. perfect starter.
         5 nachos. add tomato sauce, minced meat and cheese. oven for 10 mins.
                                         just eat an apple. simply and healthy.
         6
                  date
         1 2015-09-05
         2 2015-09-14
         3 2015-09-21
         4 2015-09-22
         5 2015-09-22
         6 2015-09-24
In [13]:
          summary(tweats_table)
                 id
                              user id
                                                post
                                                                   date
          Min.
                 :24.00
                                  :1.000
                                            Length:6
                                                               Length:6
                           Min.
          1st Qu.:55.50
                           1st Qu.:3.250
                                           Class :character
                                                               Class :character
          Median :76.00
                           Median :4.500
                                           Mode :character
                                                               Mode :character
          Mean
                  :66.67
                           Mean
                                  :4.333
          3rd Qu.:84.50
                           3rd Qu.:5.750
                  :88.00
          Max.
                           Max.
                                  :7.000
```

2. Determine the relations among them

There are 3 columns on the tweats table: id , user_id , post . The id is the number assigned by the database for identifying the data generated by a paticular user_id . In this case, every user_id generate two categories of information: date and post . The post column contains tweet post generated by each user id whereas the date column gives the date of each post

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11 102012 1014

```
# import the data from comments table
In [20]:
          comments_table <- dbReadTable(con, "comments")</pre>
          print(comments_table)
               id tweat_id user_id
                                                message
                                                  nice!
         1
            1022
                        87
                        77
                                  7
            1000
          2
                                                 great!
          3
            1011
                        49
                                  5
                                                love it
            1012
                        87
                                  1
                                      awesome! thanks!
            1010
                                                  yuck!
          5
                        88
                                  6
          6
            1026
                        77
                                  4
                                         not my thing!
            1004
                        49
                                  1 this is fabulous!
          7
            1030
                        75
                                               so easy!
                                  2
          9 1025
                        88
                                                 oh yes
         10 1007
                        49
                                  3
                                               serious?
```

3. Comment 1012: what is the tweat message? who post the tweat? who post the comment?

1

comment 1012 was posted by user_id 1 which is elisabeth. It was a comment on a tweat_id 87 posted by user_id 5 (oliver). The tweat message was: "nachos. add tomato sauce, minced meat and cheese. oven for 10 mins."

1 couldn't be better

saved my day