Project 2 Part 2

1. Answer each of the following questions:
    a. What is your project about?

       Our dataset is about loan data for all loans issued through the 2007- 2015, including the current loan status and latest payment information.

       And we plan to build a dashboard will be including some worth-showing relations between the variables in this dataset, as well as providing the users some meaning visualizations.

    b. What is the source of your dataset?

       We found it from Kaggle.

    c. Include name of the team members. Have you created division of work? Who is responsible for what?

       Jiayi Wang and Zekun Wang.

       Zekun will be more focused on creating the database structure. And Jiayi will spend more time the user interface.

2. Answer each of the following questions:
    a. Include screenshots of CREATE TABLE statements that you have completed/working on.

```sql
-- borrower table
DROP TABLE IF EXISTS borrower;
CREATE TABLE borrower(
id INT(9),
addr_state CHAR(2),
annual_inc INT(9),
verification_status VARCHAR(50),
home_ownership VARCHAR(20) CHECK(home_ownership IN ('RENT',' OWN', 'MORTGAGE', 'OTHER')) ,
last_credit_pull_d VARCHAR(8),
emp_title VARCHAR(50),
emp_length VARCHAR(50),
total_acc VARCHAR(10),
delinq_2yrs SMALLINT(2),
open_acc VARCHAR(20),
delinq_amnt VARCHAR(100),
earliest_cr_line VARCHAR(100),
pub_rec_bankruptcies VARCHAR(100),
pub_rec VARCHAR(50)
);


INSERT INTO borrower
SELECT id,addr_state,annual_inc,verification_status,home_ownership,last_credit_pull_d,emp_title,emp_length,total_acc,delinq_2
FROM raw;

-- call stored procedure
CALL getNY();

-- bankcard table
DROP TABLE IF EXISTS bankcard;
CREATE TABLE bankcard(
id INT(9) PRIMARY KEY,
mths_since_recent_bc VARCHAR(10),
num_actv_bc_tl INT(9),
num_bc_sats INT(9),
num_bc_tl INT(9),
total_bc_limit INT(9)
);

INSERT INTO bankcard
SELECT id,mths_since_recent_bc,num_actv_bc_tl,num_bc_sats,num_bc_tl,total_bc_limit
FROM raw;
```

b. In terms of percentage how much you think you have completed on database side of the project?

We just get started. Hopefully will finish creating database by the end of this week.

3. Answer each of the following questions:
    a. Which front end application programming language you are working with?

    Shiny R

    b. What is the status of front end application?

    It is a live dashboard and user can interact with it.

    c. Do you have a working connection between front end and database? If yes, attach a screenshot that shows you have successfully created the connection.

d. In terms of percentage how much you think you have completed on front end side of the project?

10%. We just had a brainstorming of what our front-end side of the project. I will work on it this weekend too.

4. What are your next steps? In a week time what do you plan to complete? Define clear goals.
    1) Finish the dependencies first.
    2) Finish the creation of tables.
    3) Start building our dashboards.