#Read Me

1. The command line interface (CLI) is developed using JavaScript.
2. In addition to commands stated in the instruction, I added 3 additional commands. They are as follows:

Command	Parameter	Description
login	<username>	Login as `client`. Creates a new client if not yet exists.)
topup	<amount>	Increase logged-in client balance by `amount
pay	<payTo> <amount>	Pay `amount` from logged-in client to `another_client`, maybe in parts, as soon as possible.)
register	<user> <amount>	Register New User. The command would also accept initial amount for the client
clear	-	The command will reset all clients
list	-	The command will list all registered users with their remaining balance

3. To run the program, simply copy the folder given in your workstation (e.g. in C:) and navigate into it. Example as follow:
   - Copy 'ocbc-cli' folder and paste it in your workstation (e.g. C:)
   - In 'Start' button, search for 'Command Prompt' and run it
   - Navigate into the folder using 'cd' (e.g. cd C:\ ocbc-cli)

   Command Prompt

   ```
   Microsoft Windows [Version 10.0.19042.1110]
   (c) Microsoft Corporation. All rights reserved.

   C:\Users\vikthoon.phan>cd C:\ocbc-cli

   C:\ocbc-cli>
   ```

   - Execute 'npm I -g' to prepare the program
   - After npm finish, the program is now ready to use

4. To use the command, simply use 'c' in front followed by the command and the parameter consecutively. Example:

   Command Prompt

   ```
   C:\ocbc-cli>c register Alice 0
   New user has been added successfully!
   ```

5. Below are the full test cases as guided by the instruction, which also include all the commands stated above, with additional scenarios as well.

```
Command Prompt

C:\ocbc-cli>c register Alice 0
New user has been added successfully!

C:\ocbc-cli>c register Bob 0
New user has been added successfully!

C:\ocbc-cli>c list
----------------------- List of registered clients -----------------------
Client: Alice. Balances: 0
Client: Bob. Balances: 0

C:\ocbc-cli>c clear
All users has been clear

C:\ocbc-cli>c list
You don't have any user yet.

C:\ocbc-cli>c register Alice 0
New user has been added successfully!

C:\ocbc-cli>c register Bob 0
New user has been added successfully!

C:\ocbc-cli>c login Alice
Hello Alice!
Your balance is: 0.

C:\ocbc-cli>c topup 100
Client Alice has topup RM100. Your balance is RM100

C:\ocbc-cli>c login Bob
Hello Bob!
Your balance is: 0.

C:\ocbc-cli>c topup 80
Client Bob has topup RM80. Your balance is RM80

C:\ocbc-cli>c pay Alice 50
Transferred RM50 to Alice
Your balance is: RM30.
```

```
C:\ocbc-cli>c pay Alice 100
Transferred RM30 to Alice
Your balance is: RM0.
Owing RM70 to Alice

C:\ocbc-cli>c topup 30
Transfered 30 to Alice
Your balance is RM0
Owing RM40 to Alice

C:\ocbc-cli>c login Alice
Hello Alice!
Owing RM40 from Bob
Your balance is: 210.

C:\ocbc-cli>c pay Bob 30

Owing RM10 from Bob
Your balance is: RM210.

C:\ocbc-cli>c login Bob
Hello Bob!
Owing RM10 to Alice
Your balance is: 0.

C:\ocbc-cli>c topup 100
Transfered 10 to Alice
Your balance is RM90

C:\ocbc-cli>c pay Alice 100
Transferred RM90 to Alice
Your balance is: RM0.
Owing RM10 to Alice

C:\ocbc-cli>c topup 5
Transfered 5 to Alice
Your balance is RM0
Owing RM5 to Alice
```

```
C:\ocbc-cli>c topup 10
Transfered 5 to Alice
Your balance is RM5

C:\ocbc-cli>c login Alice
Hello Alice!
Your balance is: 320.

C:\ocbc-cli>c pay Bob 350
Transferred RM320 to Bob
Your balance is: RM0.
Owing RM30 to Bob

C:\ocbc-cli>c list
----------------------- List of registered clients -----------------------
Client: Alice. Balances: 0
Client: Bob. Balances: 325
```

#Limitation / Room for improvement

1. Despite able to register for unlimited numbers of client, the program could only perform payment and top-up on 1-to-1 relationship.