TestCases:

Create accountname:

(We used sleep in order to test the bank mutex correctly)
Case 1: Testing 2 accounts creating about same time, output from 2nd perspective

Input: create Vikram(1st)
        create Joe(different terminal, 1-3 seconds after)

        Expected Output: Currently the bank is printing out information or another account is made, so no new account can be created currently
        (5-10 seconds later)
        The account was created successfully

Actual:
Currently the bank is printing out information or another account is made, so no new account can be created currently
        (5-10 seconds later)
        The account was created successfully

For this case, we made account Vikram first then Joe and the second account should wait till the first is done

Case 2: Creating same accountname twice
        Input: create Vikram(1st)
                create Vikram(2nd)
        Expected Output: Error, another account with the same name already exists in the bank account, try to serve it instead
        Actual Output: Error, another account with the same name already exists in the bank account,try to serve it instead

Case 3: Create one account

        Input: create Vik
        Expected Output: The account was created successfully
        Actual Output: The account was created successfully
Case 4: Creating more than 20 accounts

        Input: (create 20 random accounts)
         create Vikram
        Expected Output: Sorry, max number of accounts reached
        Actual Output: Sorry, max number of accounts reached

Serve accountname:

Case 1: Testing 2 clients trying to serve same account, output from second customer view
     Input: Serve Vik(1st)
          Serve Vik(2nd)
          end Vik(1st, about 20 seconds)
Expected Output: another client is performing a customer session for this account, you are currently waiting in the queue, do not enter any commands till a confirmation messages till you do so, problems may occur from entering commands prematurely

another client is performing a customer session for this account, you are currently waiting in the queue, do not enter any commands till a confirmation messages till you do so, problems may occur from entering commands prematurely

another client is performing a customer session for this account, you are currently waiting in the queue, do not enter any commands till a confirmation messages till you do so, problems may occur from entering commands prematurely

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another client is performing a customer session for this account, you are currently waiting in the queue, do not enter any commands till a confirmation messages till you do so, problems may occur from entering commands prematurely

Congrats, you are now in a customer session, you may enter commands

Case 2: Deposit, withdraw, query across 2-3 clients

        Input: Serve Vik(1st client)
                Deposit 500(1st client)
                end(1st client)
                Serve Vik(2nd client)
                Withdraw 250(2nd client)
                end(2nd client)
                Serve vik(3rd client)
                Query(3rd client)
                end(3rd client)

        Expected Output: The deposit of 500.00 was successful(1st)
                                The withdrawl of 250.00 is good (2nd)
                                The current balance is 250.00(3rd)
        Actual Output: The deposit of 500.00 was successful(1st)
                                The withdrawl of 250.00 is good (2nd)
                                The current balance is 250.00(3rd)

Case 3: Invalid Deposit and Withdraw(same session from case 2)

        Input: Deposit www
                Withdraw 2500
                Query
        Expected Output: Invalid amount, either less than 0 or letter
                             The amount you entered was greater than current balance
                            The current balance is 0

        Actual Output: Expected Output: Invalid amount, either less than 0 or letter
                             The amount you entered was greater than current balance
                            The current balance is 0

Case 4: Incorrect serve account
        Input: serve vik(doesnt exist)

        Expected Output: Error, wrong bank account name has been entered
Press end to leave this prompt and return to the main prompt
        Actual Output: Error, wrong bank account name has been entered
Press end to leave this prompt and return to the main prompt

Case 5: Attempting to use serve commands before serve prompt
Input: deposit vik

Expected Output: You arent in a serve session, these commands are invalid
Actual Output: You arent in a serve session, these commands are invalid