Sample TCP outputs

```
Microsoft Windows [Uersion 6.3.9600]
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                                                                                                                                                                                                               Microsoft Windows [Uersion 6.3.9600]
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 C:\Users\Wesley>cd Desktop\networking\hw3
                                                                                                                                                                                                               C:\Users\Wesley>cd Desktop\networking\hw3
                                                                                                                                                                                                               C:\Users\Wesley\Desktop\networking\hw3>remotebank-tcp.py localhost:10000 "wwong3
0" "networking101" deposit 15
 C:\Users\Wesley\Desktop\networking\hw3>server-tcp.py
usage: server-tcp.py [-h] [-d] server_port
server-tcp.py: error: the following arguments are required: server_port
                                                                                                                                                                                                               Authenticating...
Authenticating...
Authentication success, welcome wwong30
Your deposit of 15 was successful!
Your current account balance is $25.0
   :\Users\Wesley\Desktop\networking\hw3>server-tcp.py 10000
L: User's west say to except networking (hwa) ser waiting for a connection connection from ('127, 0.0.1', 63936) waiting to receive username... Received! username: "wwong30" user exists, proceed to authentication... deposit success! waiting to receive username... Received! username: ""
                                                                                                                                                                                                               C:\Users\Wesley\Desktop\networking\hw3>remotebank-tcp.py localhost:10000 "wwong3
0" "networking101" withdraw 5
                                                                                                                                                                                                               o Thetauking. Authenticating...
Authentication success, welcome wwong30
Your withdraw of 5 was successful!
Your current account balance is $20.0
 Received username:
ERROR: User does not exist!
closing connection
waiting for a connection
connection from ('127.0.0.1', 63938)
waiting to receive username.
Received! username: "wwong30"
                                                                                                                                                                                                               C:\Users\Wesley\Desktop\networking\hw3>remotebank-tcp.py localhost:10000 "wwong3
0" "networking102" withdraw 5
Authenticating...
Sorry, you have entered the wrong password
Received username: wwongs0"
user exists, proceed to authentication...
withdrawal success!
waiting to receive username...
Received! username: ""
                                                                                                                                                                                                                  :\Users\Wesley\Desktop\networking\hw3>remotebank-tcp.py localhost:10000 "wwong3
" "networking101" withdraw 5
                                                                                                                                                                                                                Authenticating...
Received! username: ""

ERROR: User does not exist!

closing connection

waiting for a connection

connection from ('127.0.0.1', 63939)

waiting to receive username...

Received! username: "wwong30"

user exists, proceed to authentication...

authentication failed

waiting to receive username...

Received! username: ""

ERROR: User does not exist!

closing connection
                                                                                                                                                                                                                Sorry, user does not exist
                                                                                                                                                                                                               C:\Users\Wesley\Desktop\networking\hw3>
 ERROR: Oser does not exist;
closing connection
waiting for a connection
connection from ('127.0.0.1', 63940)
waiting to receive username...
Received! username: "wwong31"
ERROR: User does not exist!
 closing connection
waiting for a connection
```

Sample UDP outputs

```
C:\Users\Wesley\Desktop\networking\hw3>
C:\Users\Wesley\Desktop\networking\hw3>
C:\Users\Wesley\Desktop\networking\hw3>
C:\Users\Wesley\Desktop\networking\hw3>server-udp.py
usage: server-udp.py [-h] [-d] server_port
server-udp.py: error: the following arguments are required: server_port
                                                                                                                                                                                                                                                                \Users\Wesley\Desktop\networking\hw3>
\Users\Wesley\Desktop\networking\hw3>
\Users\Wesley\Desktop\networking\hw3>
                                                                                                                                                                                                                                                               \Users\Wesley\Desktop\networking\hw3>remotebank-udp.py localhost:10000 "wwong3
" "networking101" deposit 10
                                                                                                                                                                                                                                                            Authenticating
                                                                                                                                                                                                                                                          Authenticating
Authentication success, welcome wwong30
Your deposit of 10 was successful!
Your current account balance is $20.0
closing socket
      :\Users\Wesley\Desktop\networking\hw3>server-udp.py 10000
  server starting up on localhost port 10000
waiting to receive data...
 Waiting to receive data...

Jest exists, proceed to authentication...

Sent 64 bytes back to ('127.0.0.1', 51417)

waiting to receive data...

Sending authentication success message to client

Sent 12 bytes back to ('127.0.0.1', 51417)

waiting to receive data...

deposit success!

waiting to receive data...
                                                                                                                                                                                                                                                              :\Users\Wesley\Desktop\networking\hw3>remotebank-udp.py localhost:10000 "wwong3
" "networking101" withdraw 5
                                                                                                                                                                                                                                                           Authenticating
Authentication success, welcome wwong30
                                                                                                                                                                                                                                                           Your withdraw of 5 was successful!
Your current account balance is $15.0
waiting to receive data...
deposit success!
waiting to receive data...
Jser exists, proceed to authentication...
Sent 64 bytes back to ('127.0.0.1', 51425)
waiting to receive data...
Sending authentication success message to client
Sent 12 bytes back to ('127.0.0.1', 51425)
waiting to receive data...
withdrawal success!
waiting to receive data...
Jser exists, proceed to authentication...
Sent 64 bytes back to ('127.0.0.1', 51431)
waiting to receive data...
Sending authentication failed message to client
Sent 21 bytes back to ('127.0.0.1', 51431)
waiting to receive data...
ERROR: User does not exist!
Sent 8 bytes back to ('127.0.0.1', 51438)
waiting to receive data...
Jser exists, proceed to authentication...
Sent 64 bytes back to ('127.0.0.1', 51453)
waiting to receive data...
Sent 64 bytes back to ('127.0.0.1', 51453)
waiting to receive data...
Sending authentication success message to client
Sent 12 bytes back to ('127.0.0.1', 51453)
                                                                                                                                                                                                                                                           closing socket
                                                                                                                                                                                                                                                          C:\Users\Wesley\Desktop\networking\hw3>remotebank-udp.py localhost:10000 "wwong3
0" "networking102" withdraw 5
Authenticating
Sorry, you have entered the wrong password
closing socket
                                                                                                                                                                                                                                                          C:\Users\Wesley\Desktop\networking\hw3>remotebank-udp.py localhost:10000 "wwong3
1" "networking101" withdraw 5
Authenticating
Sorry. user does not exist
closing socket
                                                                                                                                                                                                                                                          C:\Users\Wesley\Desktop\networking\hw3>remotebank-udp.py localhost:10000 "wwong3
0" "networking101" withdraw 5 -d
                                                                                                                                                                                                                                                           0" "networking
First try
Authenticating
                                                                                                                                                                                                                                                           Sending username for initializing authentication
Sent 22 bytes to ('localhost', 10000)
No errors so far, proceed to authenticate using challenge response algo
  weating to receive duata...
Sending authentication success message to client
Sent 12 bytes back to ('127.0.0.1', 51453)
waiting to receive data...
withdrawal success!
                                                                                                                                                                                                                                                          Authentication success, welcome wwong30
Your withdraw of 5 was successful!
Your current account balance is $10.0
closing socket
    waiting to receive data..
                                                                                                                                                                                                                                                                \Users\Wesleu\Desktop\networking\hw3>
```