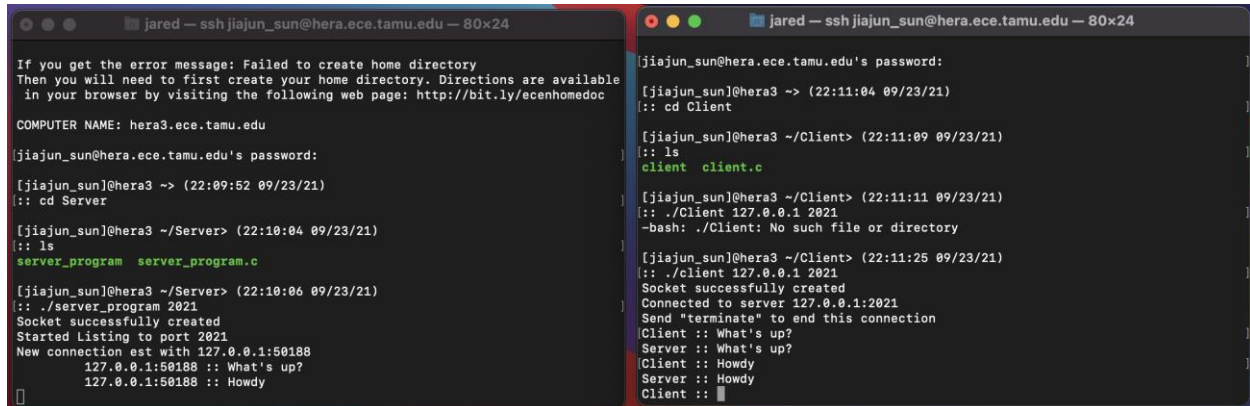


ECEN602 MP1 Test Cases

Team 07

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(1) line of text terminated by a newline



```
jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24
If you get the error message: Failed to create home directory
Then you will need to first create your home directory. Directions are available
in your browser by visiting the following web page: http://bit.ly/ecenhomedoc

COMPUTER NAME: hera3.ece.tamu.edu

[jiajun_sun@hera3 ~]$: cd Server
[jiajun_sun@hera3 ~/Server> (22:10:04 09/23/21)
:: ls
server_program server_program.c

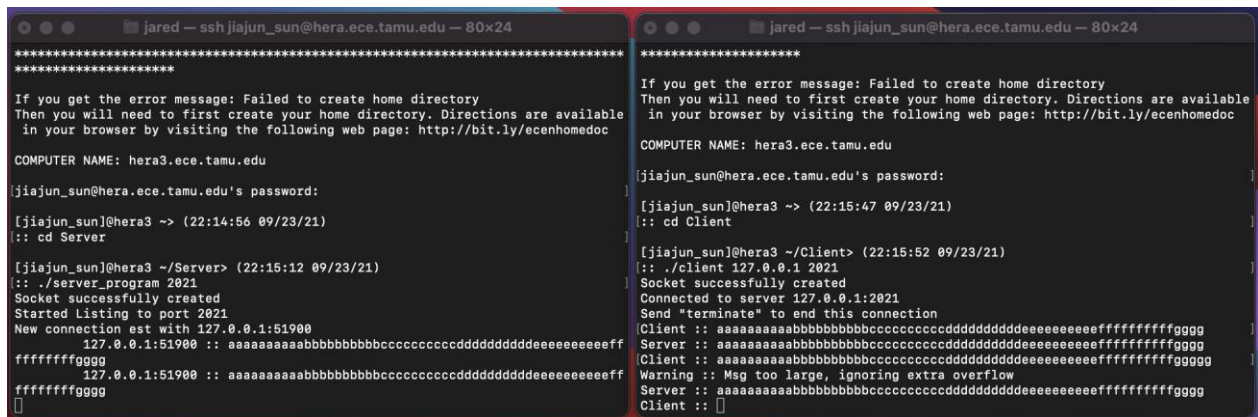
[jiajun_sun@hera3 ~/Server> (22:10:06 09/23/21)
:: ./server_program 2021
Socket successfully created
Started Listening to port 2021
New connection est with 127.0.0.1:50188
127.0.0.1:50188 :: What's up?
127.0.0.1:50188 :: Howdy

jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24
[jiajun_sun@hera3 ~]$: cd Client
[jiajun_sun@hera3 ~/Client> (22:11:09 09/23/21)
:: ls
client client.c

[jiajun_sun@hera3 ~/Client> (22:11:11 09/23/21)
:: ./client 127.0.0.1 2021
-bash: ./Client: No such file or directory

[jiajun_sun@hera3 ~/Client> (22:11:25 09/23/21)
:: ./client 127.0.0.1 2021
Socket successfully created
Connected to server 127.0.0.1:2021
Send "terminate" to end this connection
Client :: What's up?
Server :: What's up?
Client :: Howdy
Server :: Howdy
Client ::
```

(2) line of text the maximum line length without a newline



```
jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24
*****
*****
If you get the error message: Failed to create home directory
Then you will need to first create your home directory. Directions are available
in your browser by visiting the following web page: http://bit.ly/ecenhomedoc

COMPUTER NAME: hera3.ece.tamu.edu

[jiajun_sun@hera3 ~]$: cd Server
[jiajun_sun@hera3 ~/Server> (22:15:12 09/23/21)
:: ./server_program 2021
Socket successfully created
Started Listening to port 2021
New connection est with 127.0.0.1:51900
127.0.0.1:51900 :: aaaaaaaaaabbbbbbbccccccccccddddddeeeeeeff
ffffffffffgggg
127.0.0.1:51900 :: aaaaaaaaaabbbbbbbccccccccccddddddeeeeeeff
ffffffffffgggg

jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24
*****
*****
If you get the error message: Failed to create home directory
Then you will need to first create your home directory. Directions are available
in your browser by visiting the following web page: http://bit.ly/ecenhomedoc

COMPUTER NAME: hera3.ece.tamu.edu

[jiajun_sun@hera3 ~]$: cd Client
[jiajun_sun@hera3 ~/Client> (22:15:52 09/23/21)
:: ./client 127.0.0.1 2021
Socket successfully created
Connected to server 127.0.0.1:2021
Send "terminate" to end this connection
Client :: aaaaaaaaaabbbbbbbccccccccccddddddeeeeeeffffffffgggg
Server :: aaaaaaaaaabbbbbbbccccccccccddddddeeeeeeffffffffgggg
Client :: aaaaaaaaaabbbbbbbccccccccccddddddeeeeeeffffffffgggg
Warning :: Msg too large, ignoring extra overflow
Server :: aaaaaaaaaabbbbbbbccccccccccddddddeeeeeeffffffffgggg
Client ::
```

The buffer size is 64 bytes, which equals to 64 characters, so the maximum length is 64 characters. As shown in the picture, when the line length is over 64 characters, the extra overflow will be ignored.

(3) line with no characters and EOF

```
jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24

To report an issue with this machine please email: linux-engr-helpdesk@tamu.edu
and include your department, netid, computer location and computer name.
*****
*****

If you get the error message: Failed to create home directory
Then you will need to first create your home directory. Directions are available
in your browser by visiting the following web page: http://bit.ly/ecenhomedoc

COMPUTER NAME: hera3.ece.tamu.edu

[jiajun_sun@hera.ece.tamu.edu's password: ]
[jiajun_sun@hera3 ~> (22:30:18 09/23/21)
:: cd Server

[jiajun_sun@hera3 ~/Server> (22:30:22 09/23/21)
:: ./server_program 2021
Socket successfully created
Started Listing to port 2021
New connection est with 127.0.0.1:57512
Disconnected 127.0.0.1:57512
[]

jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24

and include your department, netid, computer location and computer name.
*****
*****

If you get the error message: Failed to create home directory
Then you will need to first create your home directory. Directions are available
in your browser by visiting the following web page: http://bit.ly/ecenhomedoc

COMPUTER NAME: hera3.ece.tamu.edu

[jiajun_sun@hera.ece.tamu.edu's password: ]
[jiajun_sun@hera3 ~> (22:31:06 09/23/21)
:: cd Client

[jiajun_sun@hera3 ~/Client> (22:31:10 09/23/21)
:: ./client 127.0.0.1 2021
Socket successfully created
Connected to server 127.0.0.1:2021
Send "terminate" to end this connection
Client :: EOF detected, disconnecting from server...

[jiajun_sun@hera3 ~/Client> (22:31:38 09/23/21)
:: []
```

(4) client terminated after entering text

```
jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24

To report an issue with this machine please email: linux-engr-helpdesk@tamu.edu
and include your department, netid, computer location and computer name.
*****
*****

If you get the error message: Failed to create home directory
Then you will need to first create your home directory. Directions are available
in your browser by visiting the following web page: http://bit.ly/ecenhomedoc

COMPUTER NAME: hera3.ece.tamu.edu

[jiajun_sun@hera.ece.tamu.edu's password: ]
[jiajun_sun@hera3 ~> (22:34:45 09/23/21)
:: cd Server

[jiajun_sun@hera3 ~/Server> (22:35:01 09/23/21)
:: ./server_program 2021
Socket successfully created
Started Listing to port 2021
New connection est with 127.0.0.1:59304
Exit command received, client [127.0.0.1:59304] disconnected
[]

jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24

*****
*****

If you get the error message: Failed to create home directory
Then you will need to first create your home directory. Directions are available
in your browser by visiting the following web page: http://bit.ly/ecenhomedoc

COMPUTER NAME: hera3.ece.tamu.edu

[jiajun_sun@hera.ece.tamu.edu's password: ]
[jiajun_sun@hera3 ~> (22:34:57 09/23/21)
:: cd Client

[jiajun_sun@hera3 ~/Client> (22:36:17 09/23/21)
:: ./client 127.0.0.1 2021
Socket successfully created
Connected to server 127.0.0.1:2021
Send "terminate" to end this connection
Client :: terminate
Connection closed by server

[jiajun_sun@hera3 ~/Client> (22:37:15 09/23/21)
:: []
```

(5) three clients connected to the server

```
jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24
*****
If you get the error message: Failed to create home directory
Then you will need to first create your home directory. Directions are available
in your browser by visiting the following web page: http://bit.ly/ecenhomedoc

COMPUTER NAME: hera3.ece.tamu.edu

[jiajun_sun@hera.ece.tamu.edu's password:
[jiajun_sun]@hera3 ~> (22:40:22 09/23/21)
[:: cd Server

[jiajun_sun]@hera3 ~/Server> (22:40:31 09/23/21)
[:: ./server_program 2021
Socket successfully created
Started listening to port 2021
New connection est with 127.0.0.1:32778
New connection est with 127.0.0.1:32996
New connection est with 127.0.0.1:33334
127.0.0.1:32778 :: Client 1 says hi
127.0.0.1:32996 :: Client 2 says hello
127.0.0.1:33334 :: Client 3 says howdy
[]

jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24
To report an issue with this machine please email: linux-engr-helpdesk@tamu.edu
and include your department, netid, computer location and computer name.
*****
*****
If you get the error message: Failed to create home directory
Then you will need to first create your home directory. Directions are available
in your browser by visiting the following web page: http://bit.ly/ecenhomedoc

COMPUTER NAME: hera3.ece.tamu.edu

[jiajun_sun@hera.ece.tamu.edu's password:
[jiajun_sun]@hera3 ~> (22:41:01 09/23/21)
[:: cd Client

[jiajun_sun]@hera3 ~/Client> (22:41:08 09/23/21)
[:: ./client 127.0.0.1 2021
Socket successfully created
Connected to server 127.0.0.1:2021
Send "terminate" to end this connection
Client :: Client 1 says hi
Server :: Client 1 says hi
Client :: []

jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24
To report an issue with this machine please email: linux-engr-helpdesk@tamu.edu
and include your department, netid, computer location and computer name.
*****
*****
If you get the error message: Failed to create home directory
Then you will need to first create your home directory. Directions are available
in your browser by visiting the following web page: http://bit.ly/ecenhomedoc

COMPUTER NAME: hera3.ece.tamu.edu

[jiajun_sun@hera.ece.tamu.edu's password:
[jiajun_sun]@hera3 ~> (22:41:50 09/23/21)
[:: cd Client

[jiajun_sun]@hera3 ~/Client> (22:41:57 09/23/21)
[:: ./client 127.0.0.1 2021
Socket successfully created
Connected to server 127.0.0.1:2021
Send "terminate" to end this connection
Client :: Client 2 says hello
Server :: Client 2 says hello
Client :: []

jared — ssh jiajun_sun@hera.ece.tamu.edu — 80x24
To report an issue with this machine please email: linux-engr-helpdesk@tamu.edu
and include your department, netid, computer location and computer name.
*****
*****
If you get the error message: Failed to create home directory
Then you will need to first create your home directory. Directions are available
in your browser by visiting the following web page: http://bit.ly/ecenhomedoc

COMPUTER NAME: hera3.ece.tamu.edu

[jiajun_sun@hera.ece.tamu.edu's password:
[jiajun_sun]@hera3 ~> (22:42:27 09/23/21)
[:: cd Client

[jiajun_sun]@hera3 ~/Client> (22:42:41 09/23/21)
[:: ./client 127.0.0.1 2021
Socket successfully created
Connected to server 127.0.0.1:2021
Send "terminate" to end this connection
Client :: Client 3 says howdy
Server :: Client 3 says howdy
Client :: []
```