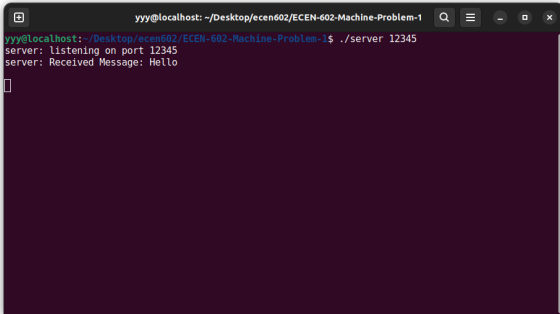


MP1 Report

Test Case 1

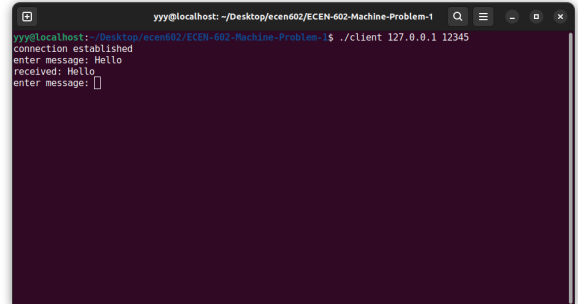
Line of text terminated by a newline



```
yyy@localhost: ~/Desktop/ecen602/ECEN-602-Machine-Problem-1
yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./server 12345
server: listening on port 12345
server: Received Message: Hello

```

Server



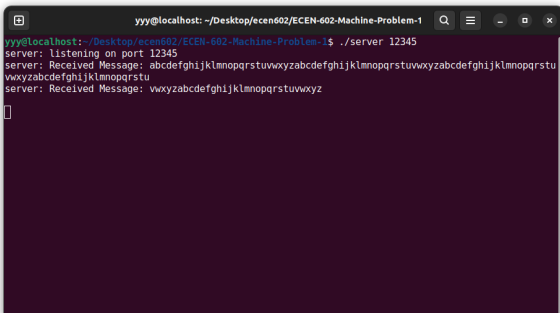
```
yyy@localhost: ~/Desktop/ecen602/ECEN-602-Machine-Problem-1
yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./client 127.0.0.1 12345
connection established
enter message: Hello
received: Hello
enter message:

```

Client

Test Case 2

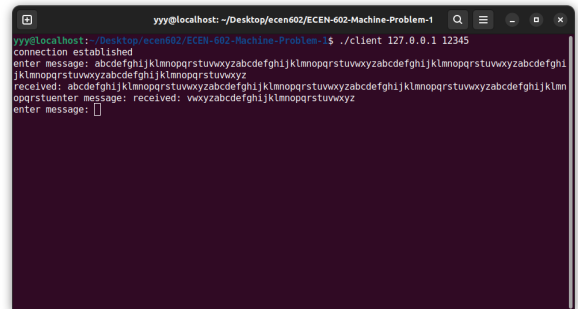
Line of text the maximum line length without a newline



```
yyy@localhost: ~/Desktop/ecen602/ECEN-602-Machine-Problem-1
yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./server 12345
server: listening on port 12345
server: Received Message: abcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxyz
server: Received Message: vwxyzabcdefghijklmnopqrstuvwxyz

```

Server



```
yyy@localhost: ~/Desktop/ecen602/ECEN-602-Machine-Problem-1
yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./client 127.0.0.1 12345
connection established
enter message: abcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxyz
received: abcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxyzabcdefghijklmnopqrstuvwxyz
opgrstuer message: received: vwxyzabcdefghijklmnopqrstuvwxyz
enter message:

```

Client

Test Case 3

Line with no characters and EOF

```
yyy@localhost: ~/Desktop/ecen602/ECEN-602-Machine-Problem-1
yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./server 12345
server: listening on port 12345
server: Client Disconnected

```

Server

```
yyy@localhost: ~/Desktop/ecen602/ECEN-602-Machine-Problem-1
yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./client 127.0.0.1 12345
connection established
enter message: eof encountered, exiting
connection closed
yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$

```

Client

Test Case 4

Client terminated after entering text

```
yyy@localhost: ~/Desktop/ecen602/ECEN-602-Machine-Problem-1
yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./server 12345
server: listening on port 12345
server: Received Message: Hello
server: Client Disconnected

```

Server

```
yyy@localhost: ~/Desktop/ecen602/ECEN-602-Machine-Problem-1
yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./client 127.0.0.1 12345
connection established
enter message: Hello
received: Hello
enter message: ^C
yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$

```

Client

Test Case 5

Three clients connected to the server

```
yyy@localhost: ~/Desktop/ecen602/ECEN-602-Machine-Problem-1
yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./server 12345
server: listening on port 12345
server: Received Message: Hello from client 1
server: Received Message: Hello from client 2
server: Received Message: Hello from client 3
[]

yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./client 127.0.0.1 12345
connection established
enter message: Hello from client 1
received: Hello from client 1
enter message: []

yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./client 127.0.0.1 12345
connection established
enter message: Hello from client 2
received: Hello from client 2
enter message:

yyy@localhost:~/Desktop/ecen602/ECEN-602-Machine-Problem-1$ ./client 127.0.0.1 12345
connection established
enter message: Hello from client 3
received: Hello from client 3
enter message: SSSS[]
```