

Project 3 Testing

serverTest.c

```
cis-lclient15:~>netcat localhost 12345
All I do is echo.
>>>hello
hello
>>>goodbye
goodbye
>>>so long
so long
>>>ciao
ciao
>>>^[
socket closed
cis-lclient15:~>
Segmentation fault (core dumped)
cis-lclient15:~/2107/3207/a/b>program 12345
Connected
cis-lclient15:~/2107/3207/a/b>
```

threadTest.c

```
zach@DESKTOP-R2DH3EL:/mnt/c/Users/Zach/Desktop/3207/Lab1/Project 3$ gcc threadTest.c -o threadTest -lpthread
zach@DESKTOP-R2DH3EL:/mnt/c/Users/Zach/Desktop/3207/Lab1/Project 3$ ./threadTest
I am worker 1 and this is the end for me
I am worker 10 and this is the end for me
I am worker 3 and this is the end for me
I am worker 4 and this is the end for me
I am worker 5 and this is the end for me
I am worker 6 and this is the end for me
I am worker 7 and this is the end for me
I am worker 8 and this is the end for me
I am worker 9 and this is the end for me
I am worker 2 and this is the end for me
zach@DESKTOP-R2DH3EL:/mnt/c/Users/Zach/Desktop/3207/Lab1/Project 3$
```

argTest.c

```

cis-lclient15:~/2107/3207/a>argTest
case 1
the port 3207 and dict words.txt

cis-lclient15:~/2107/3207/a>argTest 1234
case 2
the port 1234 and dict words.txt

cis-lclient15:~/2107/3207/a>argTest test.txt
case 2
the port 3207 and dict test.txt

cis-lclient15:~/2107/3207/a>argTest 1234 test.txt
case 3
the port 1234 and dict test.txt

```

bufferTest.c

```

zach@DESKTOP-R2DH3EL:/mnt/c/Users/Zach/Desktop/3207/Lab1/Project 3$ gcc bufferTest.c -o bufferTest -lpthread
zach@DESKTOP-R2DH3EL:/mnt/c/Users/Zach/Desktop/3207/Lab1/Project 3$ ./bufferTest
CONSUMER: Buffer is empty. Waiting
PRODUCER: attempting to add 1 to queue
PRODUCER: attempting to add 2 to queue
PRODUCER: attempting to add 3 to queue
PRODUCER: Buffer is full. Waiting
CONSUMER: Retrieved 1
CONSUMER: Retrieved 2
CONSUMER: Retrieved 3
CONSUMER: Buffer is empty. Waiting
PRODUCER: attempting to add 0 to queue
PRODUCER: attempting to add 1 to queue
PRODUCER: attempting to add 2 to queue
PRODUCER: Buffer is full. Waiting
CONSUMER: Retrieved 0
CONSUMER: Retrieved 1
CONSUMER: Retrieved 2
CONSUMER: Buffer is empty. Waiting
PRODUCER: attempting to add 3 to queue

```

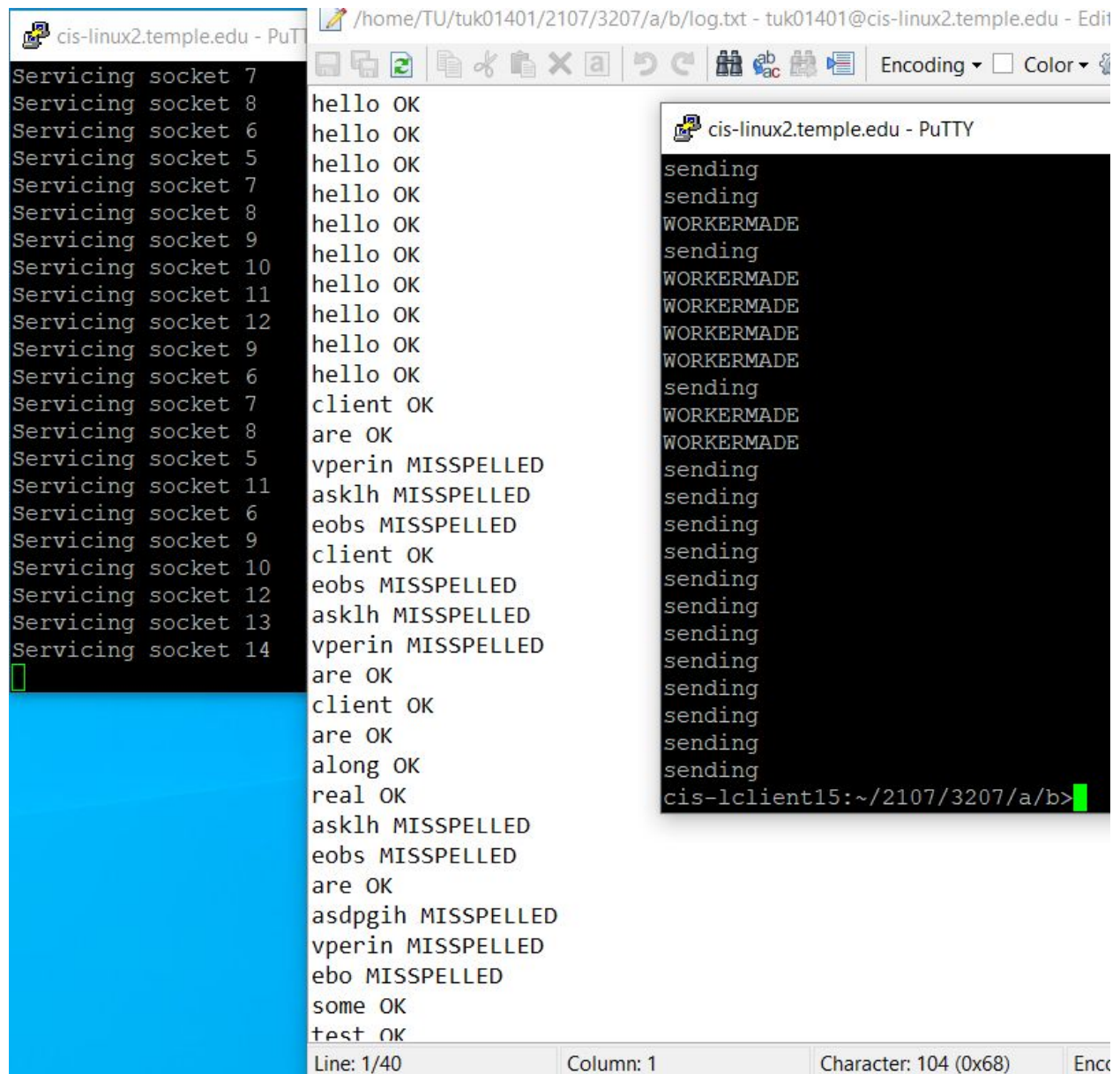
spellcheckTest.c

```

zach@DESKTOP-R2DH3EL:/mnt/c/Users/Zach/Desktop/3207/Lab1/Project 3$ gcc spellcheckTest.c -o spellcheckTest
zach@DESKTOP-R2DH3EL:/mnt/c/Users/Zach/Desktop/3207/Lab1/Project 3$ ./spellcheckTest
hello
hello OK
check
check OK
madeup
madeup MISPELLED
testing
testing OK
goodbye
goodbye OK
^C
zach@DESKTOP-R2DH3EL:/mnt/c/Users/Zach/Desktop/3207/Lab1/Project 3$

```

client.c



The image shows two PuTTY terminal windows. The left window, titled 'cis-linux2.temple.edu - PuTTY', displays a log of servicing sockets 5 through 14. Each entry shows a status (e.g., 'hello OK', 'client OK') followed by a series of misspelled words. A large blue rectangular area obscures the bottom portion of this window. The right window, also titled 'cis-linux2.temple.edu - PuTTY', shows a log of sending data, with alternating 'sending' and 'WORKERMADE' messages. The status bar at the bottom of the left window indicates 'Line: 1/40', 'Column: 1', 'Character: 104 (0x68)', and 'Enc...'.

```
Servicing socket 7 hello OK
Servicing socket 8 hello OK
Servicing socket 6 hello OK
Servicing socket 5 hello OK
Servicing socket 7 hello OK
Servicing socket 8 hello OK
Servicing socket 9 hello OK
Servicing socket 10 hello OK
Servicing socket 11 hello OK
Servicing socket 12 hello OK
Servicing socket 9 hello OK
Servicing socket 6 hello OK
Servicing socket 7 client OK
Servicing socket 8 are OK
Servicing socket 5 vperin MISSPELLED
Servicing socket 11 asklh MISSPELLED
Servicing socket 6 eobs MISSPELLED
Servicing socket 9 client OK
Servicing socket 10 eobs MISSPELLED
Servicing socket 12 asklh MISSPELLED
Servicing socket 13 vperin MISSPELLED
Servicing socket 14 are OK
client OK
are OK
along OK
real OK
asklh MISSPELLED
eobs MISSPELLED
are OK
asdpjih MISSPELLED
vperin MISSPELLED
ebo MISSPELLED
some OK
test OK
```

```
sending
sending
WORKERMADE
sending
WORKERMADE
WORKERMADE
WORKERMADE
WORKERMADE
sending
WORKERMADE
WORKERMADE
sending
sending
sending
sending
sending
sending
sending
sending
sending
sending
sending
cis-lclient15:~/2107/3207/a/b>
```

Line: 1/40 Column: 1 Character: 104 (0x68) Enc...