

Checkpoint 0 Writeup

My name: 曾华正

My SUNet ID: [your sunetid here]

I collaborated with: [list sunetids here]

I would like to credit/thank these classmates for their help: [list sunetids here]

This lab took me about [n] hours to do. I [did/did not] attend the lab session.

My secret code from section 2.1 was: [code here]

- 2.1

```
root@hzz:~# telnet cs144.keithw.org http
Trying 104.196.238.229...
Connected to cs144.keithw.org.
Escape character is '^'.
GET /hello HTTP/1.1
Host: cs144.keithw.org

HTTP/1.1 200 OK
Date: Sat, 19 Oct 2024 06:11:43 GMT
Server: Apache
Last-Modified: Thu, 13 Dec 2018 15:45:29 GMT
ETag: "e-57ce93446cb64"
Accept-Ranges: bytes
Content-Length: 14
Content-Type: text/plain

Hello, CS144!

Connection: close
HTTP/1.1 400 Bad Request
Date: Sat, 19 Oct 2024 06:11:58 GMT
Server: Apache
Content-Length: 226
Connection: close
Content-Type: text/html; charset=iso-8859-1

<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">
<html><head>
<title>400 Bad Request</title>
</head><body>
<h1>Bad Request</h1>
<p>Your browser sent a request that this server could not understand.<br />
</p>
</body></html>
Connection closed by foreign host.
root@hzz:~#
```

- 2.3

```
root@hzz:~# netcat -v -l -p 9090
Listening on hzz 9090
Connection received on localhost 52846
1
```

```
root@hzZ:~# telnet localhost 9090
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.
1
```

```
□
```

3.4

```
● root@hzZ:~/minnow# cmake --build build --target check_webget
Test project /root/minnow/build
  Start 1: compile with bug-checkers
1/2 Test #1: compile with bug-checkers ..... Passed    0.30 sec
  Start 2: t_webget
2/2 Test #2: t_webget ..... Passed    1.54 sec

100% tests passed, 0 tests failed out of 2

Total Test time (real) =  1.84 sec
Built target check_webget
root@hzZ:~/minnow# □
```

4

Pass remaining options to the native tool.

```
● root@hzZ:~/minnow# cmake --build build --target check0
Test project /root/minnow/build
  Start 1: compile with bug-checkers
1/10 Test #1: compile with bug-checkers ..... Passed    0.17 sec
  Start 2: t_webget
2/10 Test #2: t_webget ..... Passed    1.86 sec
  Start 3: byte_stream_basics
3/10 Test #3: byte_stream_basics ..... Passed    0.02 sec
  Start 4: byte_stream_capacity
4/10 Test #4: byte_stream_capacity ..... Passed    0.01 sec
  Start 5: byte_stream_one_write
5/10 Test #5: byte_stream_one_write ..... Passed    0.02 sec
  Start 6: byte_stream_two_writes
6/10 Test #6: byte_stream_two_writes ..... Passed    0.01 sec
  Start 7: byte_stream_many_writes
7/10 Test #7: byte_stream_many_writes ..... Passed    0.05 sec
  Start 8: byte_stream_stress_test
8/10 Test #8: byte_stream_stress_test ..... Passed    0.10 sec
  Start 37: compile with optimization
9/10 Test #37: compile with optimization ..... Passed    0.11 sec
  Start 38: byte_stream_speed_test
    ByteStream throughput: 18.04 Gbit/s
10/10 Test #38: byte_stream_speed_test ..... Passed    0.07 sec

100% tests passed, 0 tests failed out of 10

Total Test time (real) =  2.44 sec
Built target check0
```