COMP 7003 Assignment 2 Testing

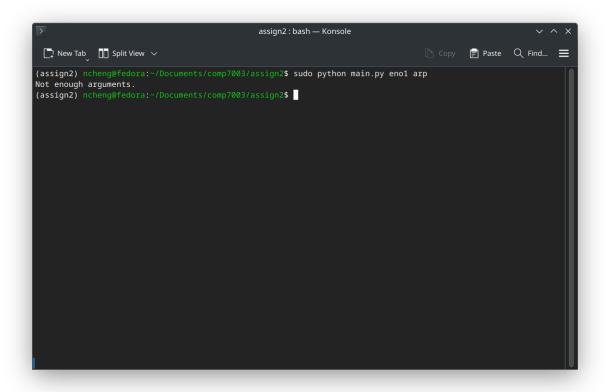
Nicky Cheng A01269051 Oct 6th, 2024

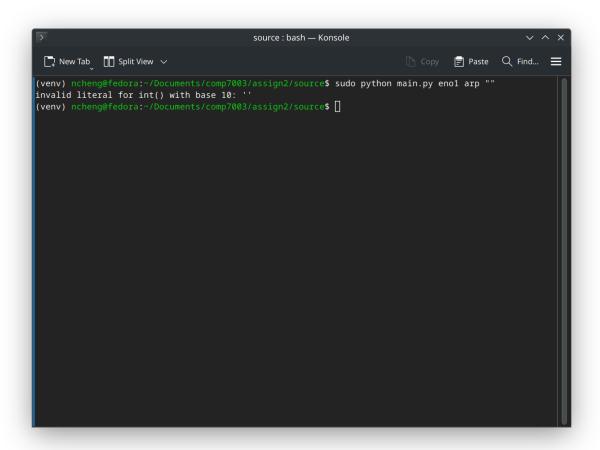
Tests	4
Test 1	4
Test 2	5
Test 3	5
Test 4	7
Test 5	8
Test 6	9
Test 7	10
Test 8	11
Test 9	12
Test 10	13
Test 11	13
Test 12	15
Test 13	16
Test 14	17
Test 15	18
Test 16	19
Test 17	22

Test	Expected	Actual	Screenshot
No arguments	fail	fail	Test 1
Only interface	fail	fail	Test 2
No count	fail	fail	Test 3
Empty interface	pass	pass	Test 4
Empty count	fail	fail	Test 5
Non-integer count	fail	fail	Test 6
Negative count	fail	fail	Test 7
Count of 0	fail	fail	Test 8
Too many arguments	fail	fail	Test 9
Empty filter	fail	fail	Test 10
Wrong filter	fail	fail	<u>Test 11</u>
ARP filter, 1 packet	pass	pass	Test 12
IPv4 filter, 1 packet	pass	pass	Test 13
UDP filter, 1 packet	pass	pass	Test 14
TCP filter, 1 packet	pass	pass	<u>Test 15</u>
TCP filter, 2 packets	pass	pass	Test 16
TCP filter, 10 packets	pass	pass	<u>Test 17</u>

Tests

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| Split View | Spl
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assign2: bash — Konsole

Split View 

Split View 

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(assign2) ncheng@fedora: -/Documents/comp7003/assign2$ sudo python main.py eno1 arp 0

Count cannot be less than 1.

(assign2) ncheng@fedora: -/Documents/comp7003/assign2$
```

```
assign2: bash—Konsole

Assign2 ncheng@fedora:~/Documents/comp7003/assign2$ sudo python main.py enol "" 1

Starting packet capture on enol with filter:

Captured Packet (Hex): cc28aa0cdf2708b4b1085cd6080045000a4951640003b06a8efa29f87eac0a8161c01bb956487a66d93bab 5f720801800118c100000101808ae5e059e4b246014d170303006bbb72cad2d7c298a61929d84485s1e8bbcf78c2282fae3a81df30036
535bd8d80f5bda0d9deeac6864a4f32503as104958c338e229bed50082eef85cc10b299de229a17f743bf33ffaaca321c07879c4cf241ad 0e53f0399f12e7d23acdfc5ba3255c4f43e74751788681b79

WARNING: Socket <scapy.arch.linux.L2ListenSocket object at 0x7fe3b681a6f0> failed with 'Filter doesn't match'. It was closed.

(assign2) ncheng@fedora:~/Documents/comp7003/assign2$
```

