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Program 6

Output of the POP packets _____
```
Destination Hardware Address: 00:15:f2:7c:77:e0
Source MAC Address: 00:0d:65:d2:4a:e0
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 10
Length of the packet: 60
Packet Id: 19918
TTL is 61
Protocol Number is 6
Packet Type: TCP
Source Port: 58531
Destination Port: 110
Sequence # : 2883731344418534963
ACK # : 2883731346788050841
Offset: 32792
Payload POP:
xRETR 1
The Source IP: 192.188.162.61
The Destination IP: 129.186.215.40

_____
Destination Hardware Address: 00:0d:65:d2:4a:e0
Source MAC Address: 00:15:f2:7c:77:e0
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 0
Length of the packet: 68
Packet Id: 64464
TTL is 64
Protocol Number is 6
Packet Type: TCP
Source Port: 110
Destination Port: 58531
Sequence # : 2883731346788050841
ACK # : 2883731344418534971
Offset: 32792
Payload POP:
x+OK 532 octets
The Source IP: 129.186.215.40
The Destination IP: 192.188.162.61

_____
Destination Hardware Address: 00:15:f2:7c:77:e0
Source MAC Address: 00:0d:65:d2:4a:e0
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 10
Length of the packet: 52
Packet Id: 22498
```

```
TTL is 61
Protocol Number is 6
Packet Type: TCP
Source Port: 58531
Destination Port: 110
Sequence # : 2883731344418534971
ACK # : 2883731346788050857
Offset: 32784
Payload POP:
x
The Source IP: 192.188.162.61
The Destination IP: 129.186.215.40

_____
Destination Hardware Address: 00:0d:65:d2:4a:e0
Source MAC Address: 00:15:f2:7c:77:e0
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 0
Length of the packet: 585
Packet Id: 64465
TTL is 64
Protocol Number is 6
Packet Type: TCP
Source Port: 110
Destination Port: 58531
Sequence # : 2883731346788050857
ACK # : 2883731344418534971
Offset: 32792
Payload POP:
xReturn-Path: sguru@bones.ee.iastate.eduReceived: from
sguru.bones.ee.iastate.edu (bones.ee.iastate.edu [129.186.215.41])by
spock.ee.iastate.edu (8.13.4/8.13.4) with SMTP id mA6NgOhb048572for sguru;
Mon, 3
Dec 2012 17:49:44 -0600 (CST)(envelope-from sguru@bones.ee.iastate.edu)Date:
Mon, 3 Dec 2012 17:42:24 -0600 (CST)From: sguru@bones.ee.iastate.eduMessage-
Id: <200811062349.mA6NgOhb048572@spock.ee.iastate.edu>To:
undisclosedrecipients:;
X-UIDL: b987d93d271a3d6fbcfe7391eb9ba5d7Hi there".".
The Source IP: 129.186.215.40
The Destination IP: 192.188.162.61

_____
Destination Hardware Address: 00:15:f2:7c:77:e0
Source MAC Address: 00:0d:65:d2:4a:e0
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 10
Length of the packet: 52
Packet Id: 59371
TTL is 61
Protocol Number is 6
Packet Type: TCP
Source Port: 58531
Destination Port: 110
```

```
Sequence # : 2883731344418534971
ACK # : 2883731346788051390
Offset: 32784
Payload POP:
x
The Source IP: 192.188.162.61
The Destination IP: 129.186.215.40

_____
227 packets received by filter
0 packets dropped by kernel
ARP packets: 0
IP packets: 185
Broadcast packets: 16
ICMP packets: 71
No of TCP packets: 114
No of DNS packets: 0
No of SMTP packets: 0
No of POP packets: 10
No of IMAP packets: 0
>
```

Output of the IMAP packets _____

```
Destination Hardware Address: 00:15:f2:7c:77:e0
Source MAC Address: 00:0d:65:d2:4a:e0
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 10
Length of the packet: 69
Packet Id: 53706
TTL is 61
Protocol Number is 6
Packet Type: TCP
Source Port: 58660
Destination Port: 143
Sequence # : 2883731346739807369
ACK # : 2883731348398086248
Offset: 32792
Payload IMAP:
y,?a001 CAPABILITY

_____
The Source IP: 192.188.162.61
The Destination IP: 129.186.215.40

_____
Destination Hardware Address: 00:0d:65:d2:4a:e0
Source MAC Address: 00:15:f2:7c:77:e0
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 0
Length of the packet: 273
Packet Id: 1897
TTL is 64
```

```
Protocol Number is 6
Packet Type: TCP
Source Port: 143
Destination Port: 58660
Sequence # : 2883731348398086248
ACK # : 2883731346739807386
Offset: 32792
Payload IMAP:
,y* CAPABILITY IMAP4REV1 LITERAL+ IDLE NAMESPACE MAILBOX-REFERRALS
BINARY UNSELECT SCAN SORT THREAD=REFERENCES
THREAD=ORDEREDSUBJECT MULTIAPPEND SASL-IR LOGIN-REFERRALS
STARTTLS LOGINDISABLEDa001 OK CAPABILITY completed

_____
The Source IP: 129.186.215.40
The Destination IP: 192.188.162.61

_____
Destination Hardware Address: 00:15:f2:7c:77:e0
Source MAC Address: 00:0d:65:d2:4a:e0
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 10
Length of the packet: 52
Packet Id: 9355
TTL is 61
Protocol Number is 6
Packet Type: TCP
Source Port: 58660
Destination Port: 143
Sequence # : 2883731346739807386
ACK # : 2883731348398086469
Offset: 32784
Payload IMAP:
Y,

_____
The Source IP: 192.188.162.61
The Destination IP: 129.186.215.40

_____
214 packets received by filter
0 packets dropped by kernel
ARP packets: 0
IP packets: 170
Broadcast packets: 16
ICMP packets: 70
No of TCP packets: 100
No of DNS packets: 0
No of SMTP packets: 0
No of POP packets: 0
No of IMAP packets: 3
>
```

Output of the SMTP packets:

```
Destination Hardware Address: 00:15:f2:7c:77:e0
Source MAC Address: 00:0d:65:d2:4a:e0
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 10
Length of the packet: 58
Packet Id: 27644
TTL is 61
Protocol Number is 6
Packet Type: TCP
Source Port: 58510
Destination Port: 25
Sequence # : 2883731347683879014
ACK # : 2883731346322465022
Offset: 32792
Payload SMTP:
xHelo

The Source IP: 192.188.162.61
The Destination IP: 129.186.215.40

Destination Hardware Address: 00:0d:65:d2:4a:e0
Source MAC Address: 00:15:f2:7c:77:e0
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 0
Length of the packet: 92
Packet Id: 62404
TTL is 64
Protocol Number is 6
Packet Type: TCP
Source Port: 25
Destination Port: 58510
Sequence # : 2883731346322465022
ACK # : 2883731347683879020
Offset: 32792
Payload SMTP:
:x501 5.0.0 Helo requires domain address

The Source IP: 129.186.215.40
The Destination IP: 192.188.162.61

Destination Hardware Address: 00:15:f2:7c:77:e0
Source MAC Address: 00:0d:65:d2:4a:e0
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 10
Length of the packet: 52
```

```
Packet Id: 32505
TTL is 61
Protocol Number is 6
Packet Type: TCP
Source Port: 58510
Destination Port: 25
Sequence # : 2883731347683879020
ACK # : 2883731346322465062
Offset: 32784
Payload SMTP:
x:
_____
The Source IP: 192.188.162.61
The Destination IP: 129.186.215.40

_____
Destination Hardware Address: 00:0d:65:d2:4a:e0
Source MAC Address: 00:08:74:f9:04:ab
The Header Length: 5
Packet Type: IP
IP version: 4
Header Length: 5
Type of Service: 0
Length of the packet: 48
Packet Id: 22632
TTL is 64
Protocol Number is 6
Packet Type: TCP
Source Port: 49215
Destination Port: 25
Sequence # : 2883731346314660162
ACK # : 2883731344221798400
Offset: 28674
Payload SMTP:
_____
The Source IP: 129.186.215.41
The Destination IP: 209.85.237.25

_____
287 packets received by filter
0 packets dropped by kernel
ARP packets: 0
IP packets: 246
Broadcast packets: 13
ICMP packets: 59
No of TCP packets: 155
No of DNS packets: 0
No of SMTP packets: 8
No of POP packets: 0
No of IMAP packets: 0
>
```