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CSE342
ICMP Lab

1.

Host: 192.168.1.101
Dest: 143.89.14.34

2.

ICMP runs on the network layer, not the application layer.

3.

Type: 8 (Echo (ping) request)
Code Number: 0
Num checksum bytes: 2
Num sequence bytes: 2
Num identifier bytes: 2

4:

Type: 0 (Echo (ping) reply)
Code: 0
Each field is 2 bytes

5:

Host: 192.168.1.101
Dest: 138.96.146.2

6.

No, it would be 0x11

7.

No, it's the same

8

It contains the header and the info contained the in the initial ICMP packet

```
▼ Internet Control Message Protocol
    Type: 11 (Time-to-live exceeded)
    Code: 0 (Time to live exceeded in transit)
    Checksum: 0x2c16 [correct]
    [Checksum Status: Good]
    Unused: 00000000
  ▶ Internet Protocol Version 4, Src: 192.168.1.101, Dst: 138.96.146.2
  ▼ Internet Control Message Protocol
      Type: 8 (Echo (ping) request)
      Code: 0
      Checksum: 0x51fe [unverified] [in ICMP error packet]
      [Checksum Status: Unverified]
      Identifier (BE): 512 (0x0200)
      Identifier (LE): 2 (0x0002)
      Sequence Number (BE): 41985 (0xa401)
      Sequence Number (LE): 420 (0x01a4)
```

9.

They are all type 0 instead of 11 because TTL did not expire.

10.

There is not one that is significantly longer.