1. My IP address is 192.168.252.208
2. The ICMP (0x01)
3. There are 20 bytes in the IP header. There are 36 bytes in the payload. You take the total number of bytes 56 – 20 in the header and you get the payload.
4. The Fragment Offset field is 0 so there are not any fragments.
5. Time to Live and header checksum seem to be different every time.
6. fields
   1. Constant fields:
      1. Destination IP
      2. Differentiated Services
      3. Header Length
      4. Source IP
      5. Upper Layer Protocol
      6. Version
   2. Must stay constant fields:
      1. Destination IP
      2. Differentiated Services
      3. Header Length
      4. Source IP
      5. Upper Layer Protocol
      6. Version
   3. Must change fields:
      1. Header checksum
      2. Identification
      3. Time to Live
7. The Identification field increases by 1 with every request.
8. Identification is 30801 and TTL is 64
9. The Identification field changes with every request I do not think that the TTL changes because the Identification field is always unique.
10. Yes, it was fragmented across 2 datagrams.
11. The More Fragment flag is set to 1.The Fragment Offset is 0 so this is the first fragment in the set. It has a length of 1500.
12. This fragment has a Fragment Offset flag of 1480 and it’s the last one since the More Fragments flag is 0.
13. The Checksum, total length and Fragment Offset flags.
14. There are now 3 fragments.
15. The Checksum, total length and Fragment Offset flags.