Brian Bauman

**CSC 435 Assignment 5**

**UDP Lab**

1. There are four fields in the header — source port, destination port, length, and checksum:



2. The lengths are all 2 bytes.



3. This is the length of the entire datagram. There are as many bytes highlighted below:

4. Because the length property is 2 bytes, the amount of data can be 65,535 bytes. But, 8 of this is taken up by the header.

5. The largest port number is 65535, for the same reason.

6. The protocol number is 17 (decimal) or 11 (hexadecimal):



7. In this example, the port numbers are the same, but switched. See below: