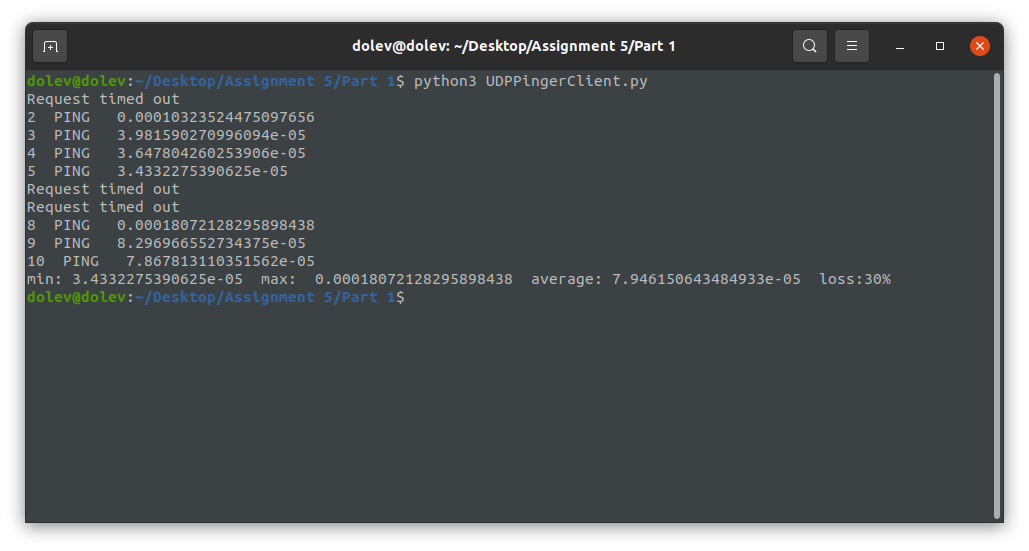
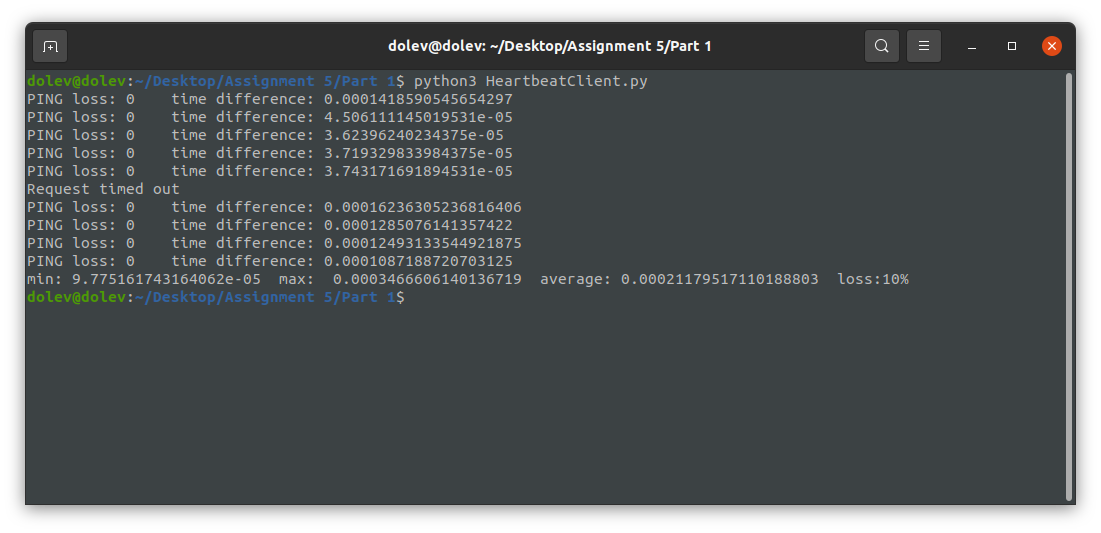
Final Project

Computer Networking Course

**Dolev Abuhazira (205776321) , Shlomo Glick (312566649)**

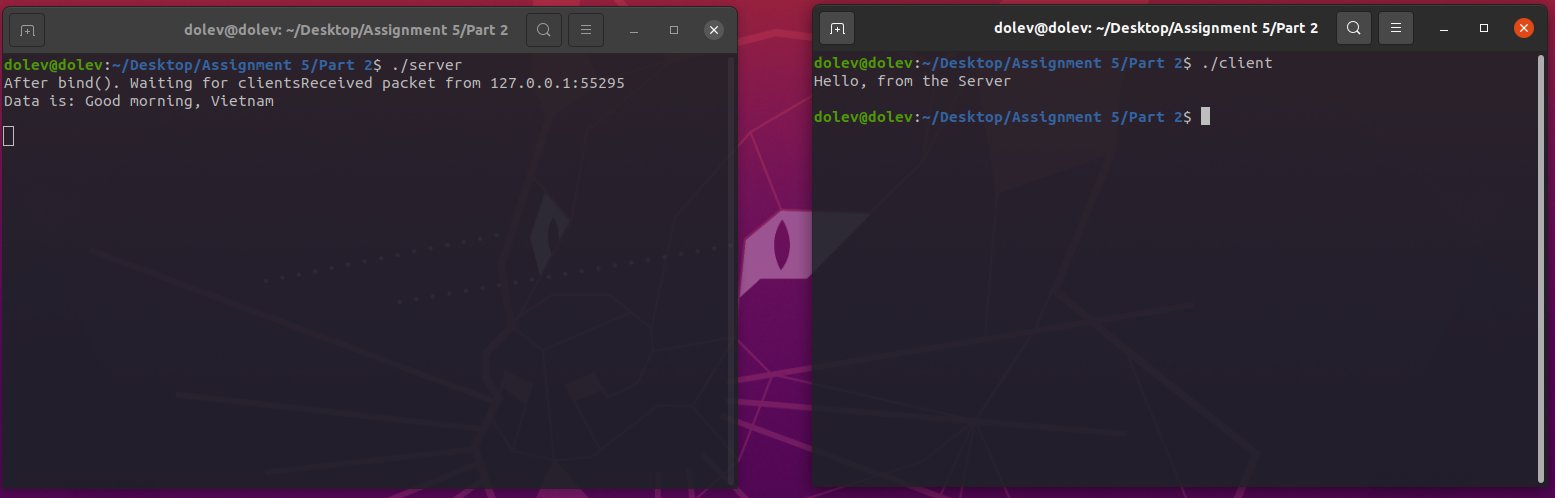
**Part 1:**





**Part 2:**

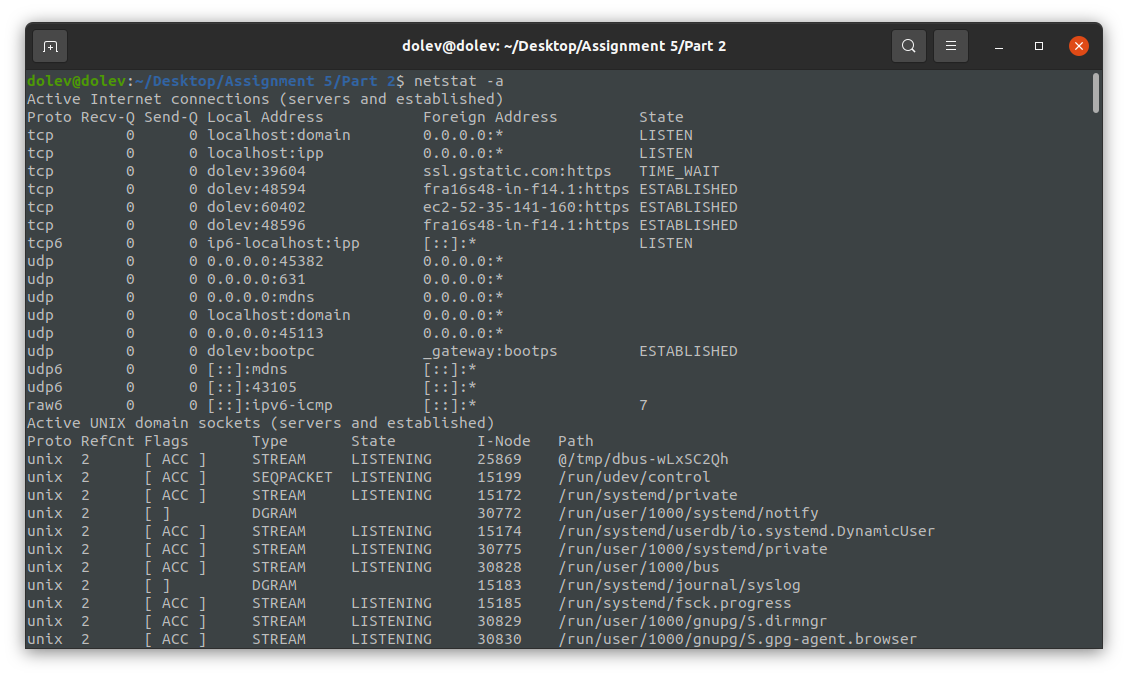
Screen shot of two programs, client and server that used IPv4 :



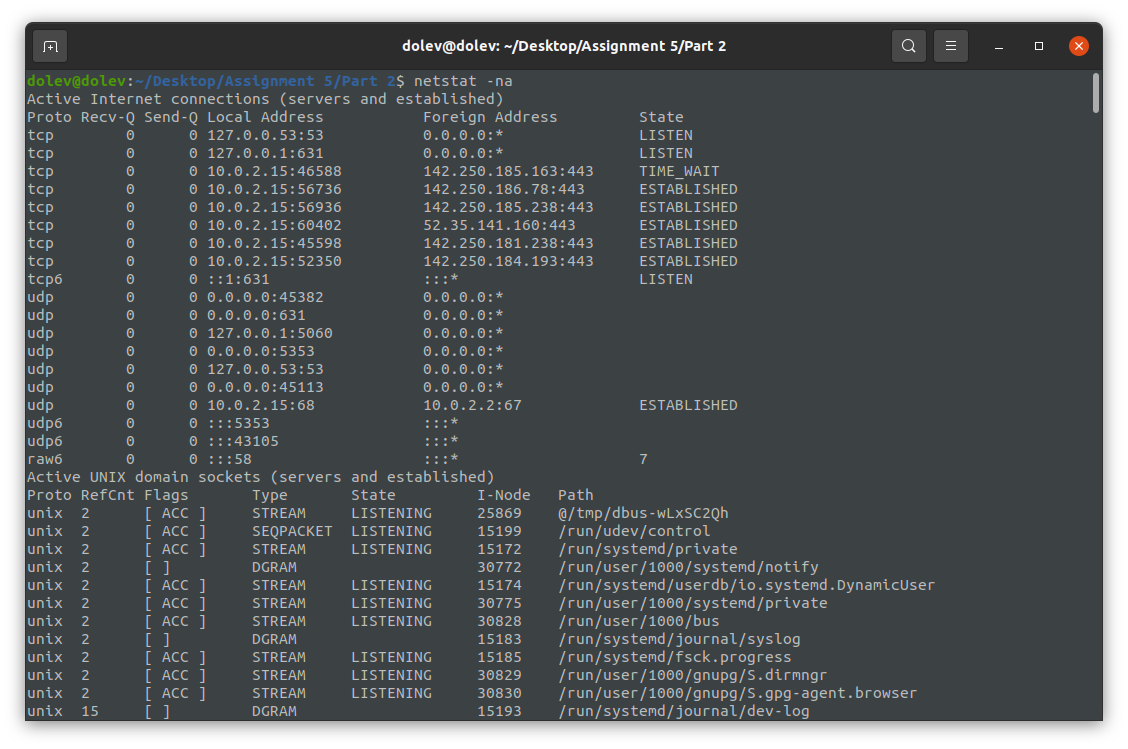
תמונה שמכילה טקסט

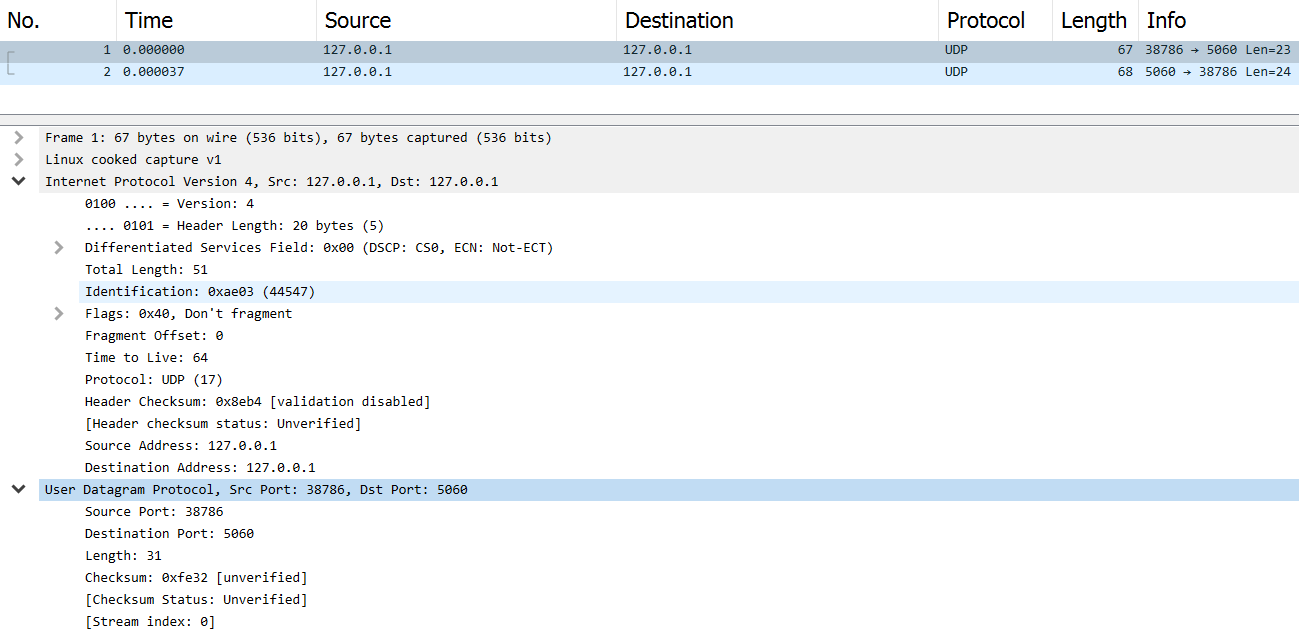
התיאור נוצר באופן אוטומטיScreen shot of two programs, client and server that used IPv6 :

Screen shot of using the netstat -na command before running the programs :



Screen shot of using the netstat -na command after running the programs :



Comparison between IPV4 and IPV6 headers :

|  |
| --- |
| The IPv4 has 32 - bit address length and the IPv6 has 128 - bit address length. |
| The IPv4 uses a numeric (decimal) addressing method , and The IPv6 using hexadecimal representation. |
| The header length of 20 bytes in IPv4 whereas the header length is 40 bytes in IPv6. |
| IPv4 uses the checksum field in the header format for handling errors whereas the IPv6 doesn't have this filed. |
| IPv6 has no fragmentation, the Sender must send packages of the appropriate size and not packages that are too large. |