

WireShark Capture-

ipV6.addr == ::1

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|-----------|--------|-------------|----------|--------|--|
| 230 | 16.447755 | ::1 | ::1 | TCP | 140 | 63442 → 5000 [SYN] Seq=0 Win=65475 Len=0 MSS=65475 SACK... |
| 231 | 16.447842 | ::1 | ::1 | TCP | 140 | 5000 → 63442 [SYN, ACK] Seq=0 Ack=1 Win=65475 Len=0 MSS... |
| 232 | 16.447900 | ::1 | ::1 | TCP | 124 | 63442 → 5000 [ACK] Seq=1 Ack=1 Win=65475 Len=0 |
| 233 | 16.448021 | ::1 | ::1 | TCP | 136 | 63442 → 5000 [PSH, ACK] Seq=1 Ack=1 Win=65475 Len=12 |
| 234 | 16.448043 | ::1 | ::1 | TCP | 124 | 5000 → 63442 [ACK] Seq=1 Ack=13 Win=65463 Len=0 |
| 235 | 16.449005 | ::1 | ::1 | TCP | 136 | 5000 → 63442 [PSH, ACK] Seq=1 Ack=13 Win=65463 Len=12 |
| 236 | 16.449028 | ::1 | ::1 | TCP | 124 | 63442 → 5000 [ACK] Seq=13 Ack=13 Win=65463 Len=0 |
| 237 | 16.449052 | ::1 | ::1 | TCP | 124 | 5000 → 63442 [FIN, ACK] Seq=13 Ack=13 Win=65463 Len=0 |
| 238 | 16.449069 | ::1 | ::1 | TCP | 124 | 63442 → 5000 [ACK] Seq=13 Ack=14 Win=65463 Len=0 |
| 239 | 16.449137 | ::1 | ::1 | TCP | 124 | 63442 → 5000 [FIN, ACK] Seq=13 Ack=14 Win=65463 Len=0 |
| 240 | 16.449171 | ::1 | ::1 | TCP | 124 | 5000 → 63442 [ACK] Seq=14 Ack=14 Win=65463 Len=0 |

> Frame 233: 136 bytes on wire (1088 bits), 76 bytes captured (608 bits) on interface \Device\NPF_{Loopback}, id 0

> Null/Loopback

> Internet Protocol Version 6, Src: ::1, Dst: ::1

▼ Transmission Control Protocol, Src Port: 63442, Dst Port: 5000, Seq: 1, Ack: 1, Len: 12

Source Port: 63442

Destination Port: 5000

[Stream index: 1]

[TCP Segment Len: 12]

Sequence number: 1 (relative sequence number)

Sequence number (raw): 3395071556

[Next sequence number: 13 (relative sequence number)]

Acknowledgment number: 1 (relative ack number)

Acknowledgment number (raw): 2374195902

0101 = Header Length: 20 bytes (5)

> Flags: 0x018 (PSH, ACK)

Window size value: 65475

[Calculated window size: 65475]

[Window size scaling factor: -2 (no window scaling used)]

Checksum: 0x1b3c [unverified]

[Checksum Status: Unverified]

0000 18 00 00 00 60 03 85 58 00 20 06 80 00 00 00 00X.....

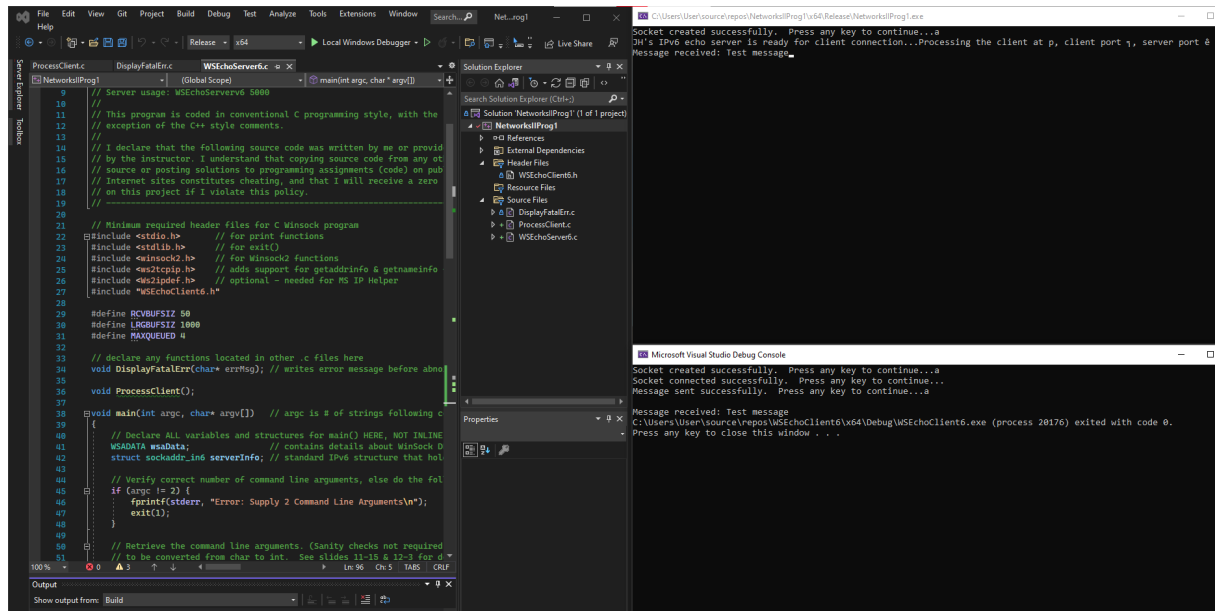
0010 00 00 00 00 00 00 00 00 00 00 00 01 00 00 00 00

0020 00 00 00 00 00 00 00 00 00 00 00 01 f7 d2 13 88

0030 ca 5c ae 44 8d 83 5a be 50 18 ff c3 1b 3c 00 00 ..\D..Z. P....<..

0040 54 65 73 74 20 6d 65 73 73 61 67 65 Test mes sage

Screenshot of Working Code-



Answer to question 1:

My wireshark capture didn't show any mini-sql description for any of my packets. However, if this commonly happens I would guess because mini-sql might use client/server calls to the same device similar to how we coded this project.