Name: Jashanpreet Singh ID: 2018A7PS0134G

## 1) Server accepts first client

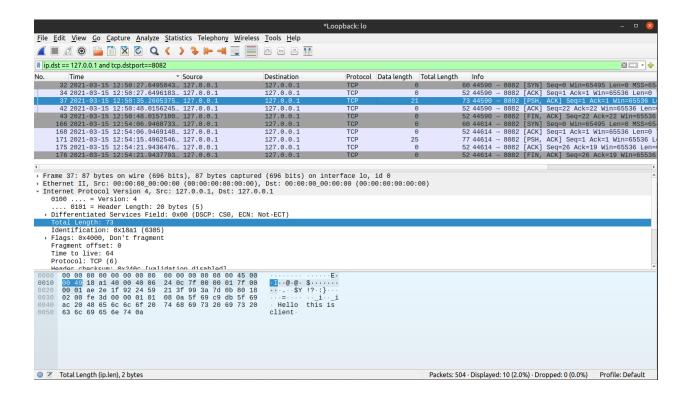
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#### 2) Server accepts second client

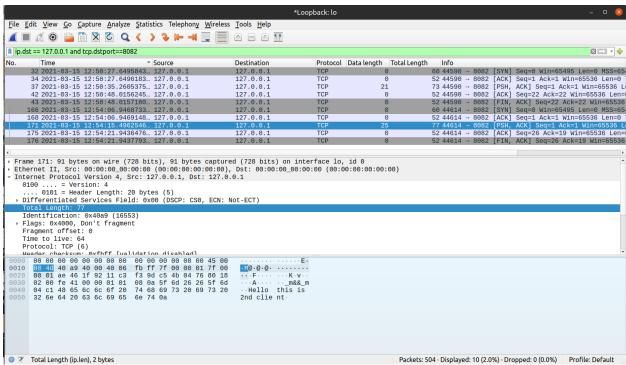
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| Jashan@jashan:-/practice/c/Computer networks/NID-SEN-LAB/LAB-5/serverS goc -o server.out server.compliants--/practice/c/Computer networks/NID-SEN-LAB/LAB-5/serverS ./server.out 8082 cocket created successfully socket binded successfully server in the content in the content
```

#### **WIRESHARK**

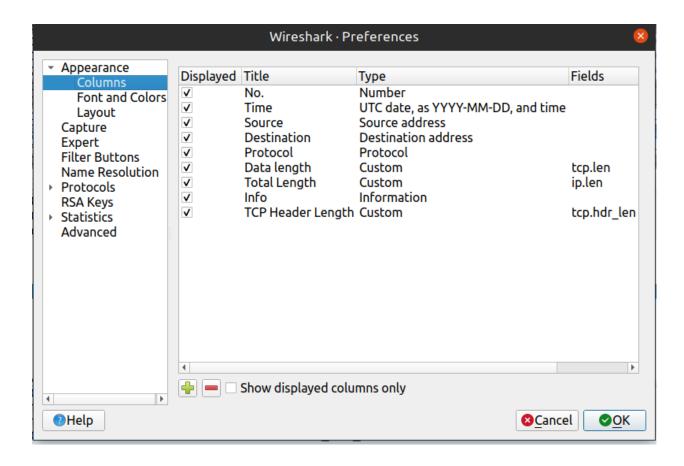
## 1) This shows packet sent by first client



### 2) This shows packets captured by second client



# 3) Columns displayed above



4) Filter used: ip.dst == 127.0.0.1 and tcp.dstport==8082 and tcp.len

Here ip.dst is used to specify only packets sent to localhost, tcp.dstport is the destination port of the server.

5) Here the measured value of data length is the number of bytes of line plus one where plus one is for a new line character sent by the client.

Total length is the total segment length = TCP header length + data length