Home work 1
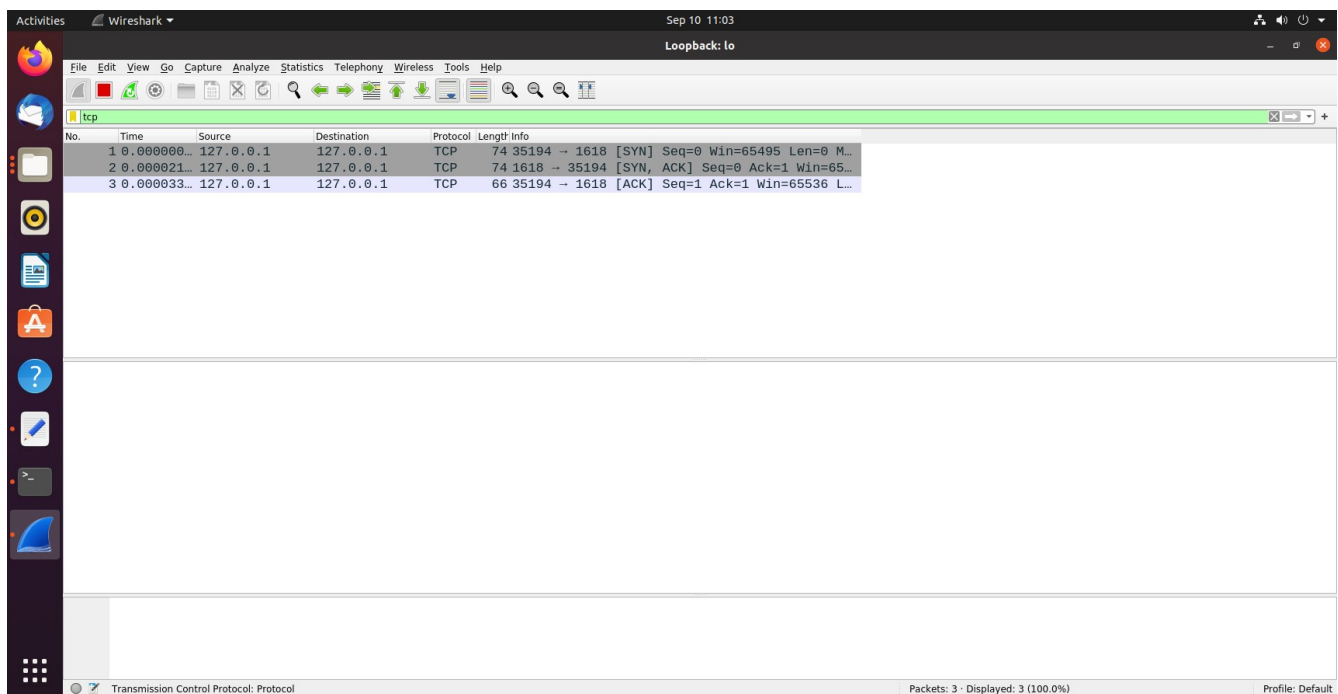## 2018158 Mohd huzaifa

How many tcp connections are made:-
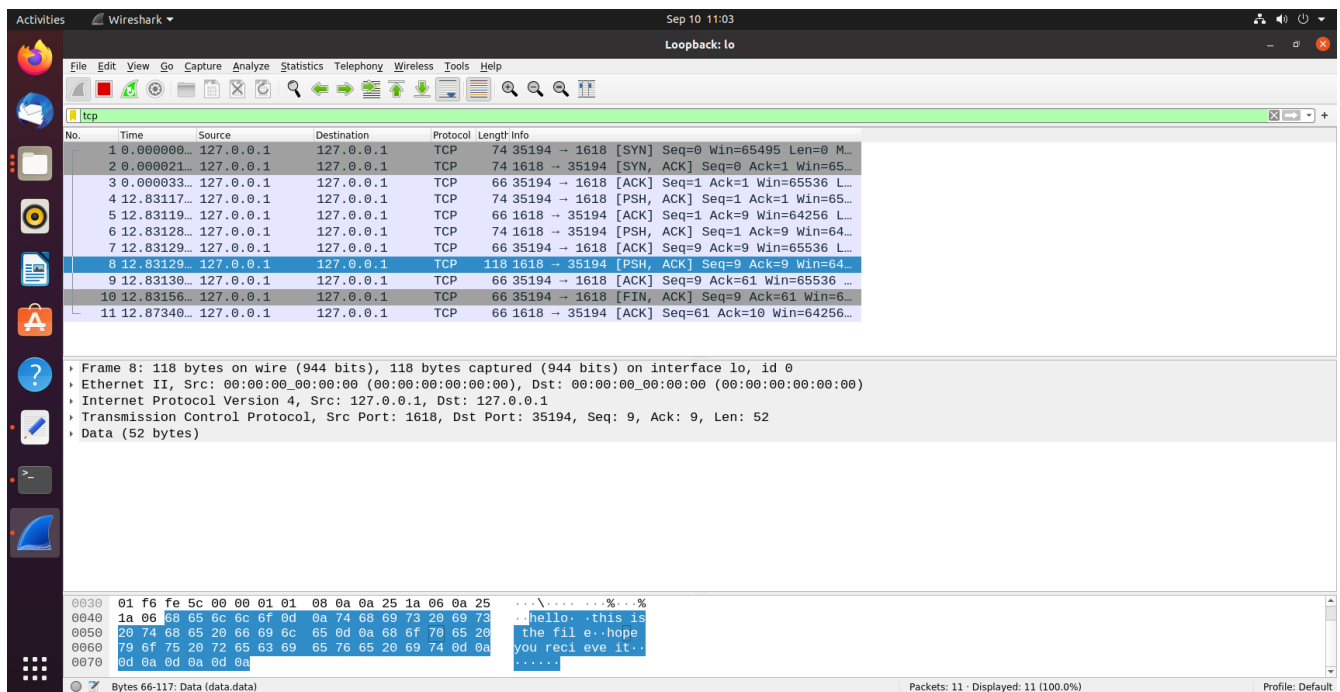
One connection

before sending any file. Just setting up connection.

What is the port number of the server and what is that of the client
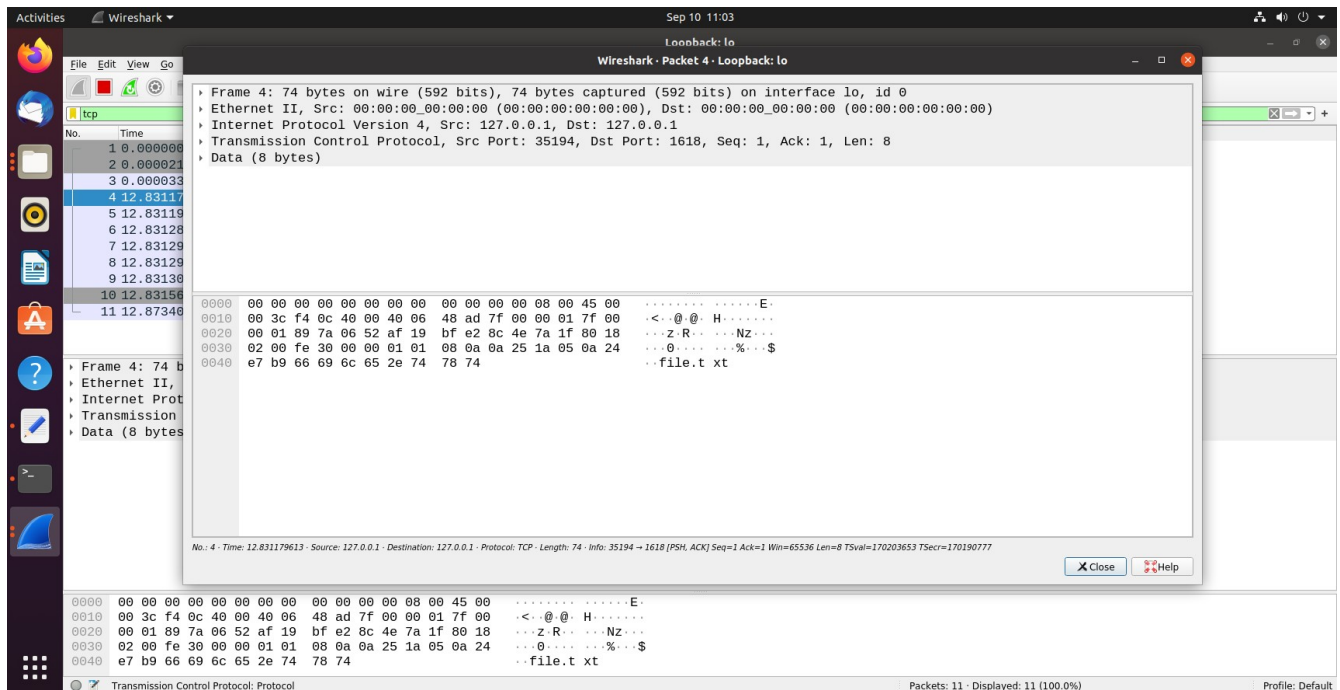
Server port no=1618
client port no= 35194

How many packets are exchanged between client and server
11 packets in total including Syn ACK FIN and all

How much time is needed to download the file

starting time= 12.83117
end time =   12.83156
 time taken is 0.00039s

Loopback: lo

Wireshark · Packet 10 · Loopback: lo   — □ ✕

File   Edit   View   Go

tcp

▸ Frame 10: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface lo, id 0
▸ Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00 (00:00:00:00:00:00)
▸ Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
▸ Transmission Control Protocol, Src Port: 35194, Dst Port: 1618, Seq: 9, Ack: 61, Len: 0

No.	Time
1	0.000000
2	0.000021
3	0.000033
4	12.83117
5	12.83119
6	12.83128
7	12.83129
8	12.83129
9	12.83130
10	12.83156
11	12.87340

```
0000  00 00 00 00 00 00 00 00  00 00 00 00 08 00 45 00   ·········· ······E·
0010  00 34 f4 0f 40 00 40 06  48 b2 7f 00 00 01 7f 00   ·4··@·@· H·······
0020  00 01 89 7a 06 52 af 19  bf ea 8c 4e 7a 5b 80 11   ···z·R·· ···Nz[··
0030  02 00 fe 28 00 00 01 01  08 0a 0a 25 1a 06 0a 25   ···(···· ···%···%
0040  1a 06                                              ··
```

▸ Frame 10: 66
▸ Ethernet II,
▸ Internet Prot
▸ Transmission

No.: 10 · Time: 12.831560437 · Source: 127.0.0.1 · Destination: 127.0.0.1 · Protocol: TCP · Length: 66 · Info: 35194 → 1618 [FIN, ACK] Seq=9 Ack=61 Win=65536 Len=0 TSval=170203654 TSecr=170203654

✕ Close   ⬚ Help

```
0000  00 00 00 00 00 00 00 00  00 00 00 00 08 00 45 00   ·········· ······E·
0010  00 34 f4 0f 40 00 40 06  48 b2 7f 00 00 01 7f 00   ·4··@·@· H·······
0020  00 01 89 7a 06 52 af 19  bf ea 8c 4e 7a 5b 80 11   ···z·R·· ···Nz[··
0030  02 00 fe 28 00 00 01 01  08 0a 0a 25 1a 06 0a 25   ···(···· ···%···%
0040  1a 06                                              ··
```

○ ✎   Transmission Control Protocol: Protocol   Packets: 11 · Displayed: 11 (100.0%)   Profile: Default