

Lab report

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Ex2

```
> ./tcp_client2 172.20.10.4
canonical name: 172.20.10.4
AF_INET
The file length is 29896 bytes
29904 data sentAve Time(ms) : 38.263, Ave Data sent(byte): 29896
Ave Data rate: 781.329224 (Kbytes/s)
```

The message transfer time is 38.263ms, and the throughput is 781.33 Kbytes/s
diff is used to verify the received file is identical to the original file

Ex3

The transfer time and throughput values obtained below are average value from 30 transmissions.

Data unit size (bytes)	message transfer time (ms)	throughput (Kbyte/s)
100	31.131	2855.856934
500	30.537	2313.302734
1000	26.355	2850.205811
5000	24.942	2708.191650
10000	21.289	3236.060547

Ex4



