

1) First task

```
Enter a : ?
8
Enter b : ?
9
No of bytes sent = 8
No of bytes received = 4
Result received = 17
Enter a : ?
2
Enter b : ?
2
No of bytes sent = 8
No of bytes received = 4
Result received = 4
Enter a : ?
1
Enter b : ?
9
No of bytes sent = 8
No of bytes received = 4
Result received = 10
```

2) Second task

Server:

```
helen@LAPTOP-PHRM03TA:~/mnt/c/Users/Лена/innopolis/net/assignments/week4$ ./server.o
port number 29679
blocked on select System call...
New connection recieved recvd, accept the connection. Client and Server completes TCP-3 way handshake at
this point
Connection accepted from client : 127.0.0.1:55530
Server ready to service client msgs.
Server recvd 60 bytes from client 127.0.0.1:55530
Server sent 60 bytes in reply to client
Server ready to service client msgs.
```

Client:

```
helen@LAPTOP-PHRM03TA:~/mnt/c/Users/Лена/innopolis/net/assignments/week4$ ./client.o
Enter student name : ?
lena
Enter student age: ?
19
Enter student group : ?
5
No of bytes sent = 60
No of bytes received = 60
Name received: lena
Age recieved: 19
Group recieved: 5
Enter student name : ?
```

### 3)Third task

```
13 [Работает] - Oracle VM VirtualBox
Машина Вид Ввод Устройства Справка
elen-virtualbox: /opt/assignments/week4
root@elen-virtualbox:/opt/assignments/week4# ping -c 2 192.168.1.2
PING 192.168.1.2 (192.168.1.2) 56(84) bytes of data.
64 bytes from 192.168.1.2: icmp_seq=1 ttl=63 time=0.796 ms
64 bytes from 192.168.1.2: icmp_seq=2 ttl=63 time=0.699 ms

--- 192.168.1.2 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 0.699/0.747/0.796/0.055 ms
root@elen-virtualbox:/opt/assignments/week4# ./server.o
port number 29679
blocked on select System call...
New connection recieved recvd, accept the connection. Client and Server completes TCP-3 way handsh
ke at this point
Connection accepted from client : 192.168.1.2:49826
Server ready to service client msgs.
Server recvd 60 bytes from client 192.168.1.2:49826
Server sent 60 bytes in reply to client
Server ready to service client msgs.
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VM1 [Работает] - Oracle VM VirtualBox
Файл Машина Вид Ввод Устройства Справка
elen@elen-virtualbox: /opt/assignments/week4
elen@elen-virtualbox:/opt/assignments/week4$ ping -c 2 192.168.2
PING 192.168.2.2 (192.168.2.2) 56(84) bytes of data.
64 bytes from 192.168.2.2: icmp_seq=1 ttl=63 time=0.643 ms
64 bytes from 192.168.2.2: icmp_seq=2 ttl=63 time=0.768 ms

--- 192.168.2.2 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 999ms
rtt min/avg/max/mdev = 0.643/0.705/0.768/0.067 ms
elen@elen-virtualbox:/opt/assignments/week4$ ./client.o
Enter student name : ?
Elena
Enter student age : ?
19
Enter student group : ?
5
No of bytes sent = 60
No of bytes received = 60
Name received: Elena
Age recieved: 19
Group recieved: 5
Enter student name : ?
|
```