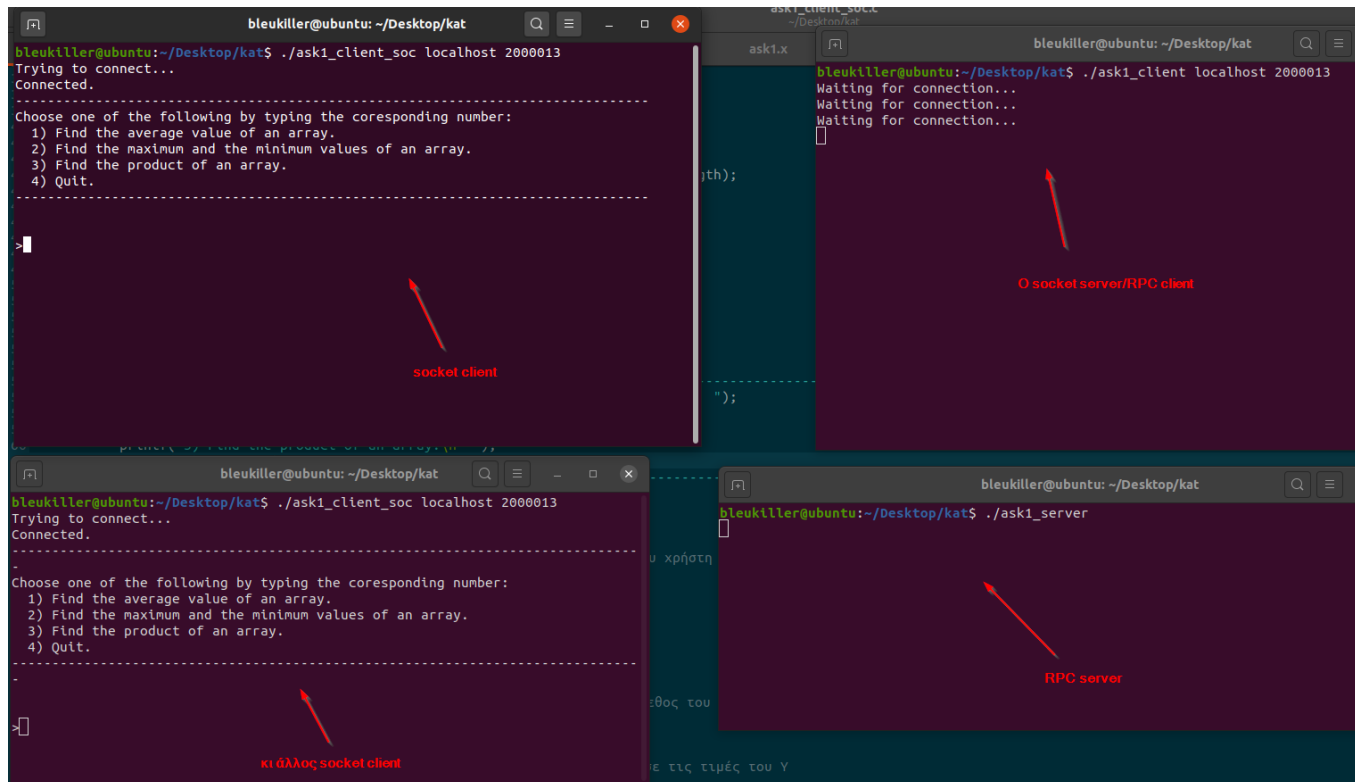


Compiling the program

```
bleukiller@ubuntu:~/Desktop/kat$ gcc ask1_client_soc.c -o ask1_client_soc
ask1_client_soc.c: In function 'main':
ask1_client_soc.c:118:5: warning: implicit declaration of function 'close'; did you
mean 'pclose'? [-Wimplicit-function-declaration]
   118 |         close(sockfd);
       |         ^~~~~~
       |         pclose
bleukiller@ubuntu:~/Desktop/kat$ make
cc -g -c -o ask1_clnt.o ask1_clnt.c
cc -g -c -o ask1_client.o ask1_client.c
cc -g -c -o ask1_xdr.o ask1_xdr.c
cc -g -o ask1_client ask1_clnt.o ask1_client.o ask1_xdr.o -lnsl -pthread
cc -g -c -o ask1_svc.o ask1_svc.c
cc -g -c -o ask1_server.o ask1_server.c
cc -g -o ask1_server ask1_svc.o ask1_server.o ask1_xdr.o -lnsl -pthread
```



```
bleukiller@ubuntu: ~/Desktop/kat
1) Find the average value of an array.
2) Find the maximum and the minimum values of an array.
3) Find the product of an array.
4) Quit.

>1
Give size of Y[]: 4

Y[0] = 1
Y[1] = 1
Y[2] = 2
Y[3] = 2
The average is: 1.500000

Choose one of the following by typing the corresponding number:
1) Find the average value of an array.
2) Find the maximum and the minimum values of an array.
3) Find the product of an array.
4) Quit.
```

```
bleukiller@ubuntu: ~/Desktop/kat$ ./ask1_client localhost 2000013
Waiting for connection...
Waiting for connection...
Choice from client: 1

bleukiller@ubuntu: ~/Desktop/kat$ ./ask1_server
Average function of Y called...
Average: 1.500000
```

1st option chosen

users choice received successfully

2nd socket client still running

```
bleukiller@ubuntu: ~/Desktop/kat
4) Quit.

>1
Give size of Y[]: 4

Y[0] = 1
Y[1] = 1
Y[2] = 2
Y[3] = 2
The average is: 1.500000

Choose one of the following by typing the corresponding number:
1) Find the average value of an array.
2) Find the maximum and the minimum values of an array.
3) Find the product of an array.
4) Quit.
```

```
bleukiller@ubuntu: ~/Desktop/kat$ ./ask1_client localhost 2000013
Waiting for connection...
Waiting for connection...
Waiting for connection...
Choice from client: 1
Choice from client: 2

bleukiller@ubuntu: ~/Desktop/kat$ ./ask1_server
Average function of Y called...
Average: 1.500000
Max min function of Y called...
max: 4 min: 1
```

1st client still running

2nd option was chosen

the socket client received successfully the max and min values of the given array

socket server received the 2nd option chosen that was sent from the 2nd client

find max and min function called in RPC server

```
bleukiller@ubuntu: ~/Desktop/kat
-----
>3
Give size of Y[]: 4
Y[0] = 1
Y[1] = 2
Y[2] = 3
Y[3] = 4
Type the multiplier a: 2
Y[0] = 2.000000
Y[1] = 4.000000
Y[2] = 6.000000
Y[3] = 8.000000
-----
Choose one of the following by typing the corresponding number:
1) Find the average value of an array.
2) Find the maximum and the minimum values of an array.
3) Find the product of an array.
4) Quit.
-----
4
bleukiller@ubuntu:~/Desktop/kat$
```

```
ask1_client.c
~/Desktop/kat
ask1.x
bleukiller@ubuntu: ~/Desktop/kat
bleukiller@ubuntu:~/Desktop/kat$ ./ask1_client localhost 2000016
Waiting for connection...
Waiting for connection...
Choice from client: 3
Choice from client: 4
-----
bleukiller@ubuntu: ~/Desktop/kat
bleukiller@ubuntu:~/Desktop/kat$ ./ask1_server
a*y[] function called...
a*Y[0]=2.000000
a*Y[1]=4.000000
a*Y[2]=6.000000
a*Y[3]=8.000000
```