

DCCN LAB -04

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Q.1 Read the instructions and run the simple client server program given in help document (TCP_Socket1.doc).

Output:

```
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC: ~/120CS0173_DCCN_Lab/Lab4
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC:~/120CS0173_DCCN_Lab/Lab4$ gcc -o q1_s q1_server.c
q1_server.c: In function 'main':
q1_server.c:15:32: warning: implicit declaration of function 'inet_addr' [-Wimplicit-function-declaration]
   15 | server_address.sin_addr.s_addr=inet_addr("127.0.0.1");
      |                                ^
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC:~/120CS0173_DCCN_Lab/Lab4$ ./q1_s
Server is ready to accept .....
Server is ready to accept .....
```

```
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC: ~/120CS0173_DCCN_Lab/Lab4
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC:~/120CS0173_DCCN_Lab/Lab4$ gcc -o q1_client.c
gcc: fatal error: no input files
compilation terminated.
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC:~/120CS0173_DCCN_Lab/Lab4$ gcc -o q1 q1_client.c
q1_client.c: In function 'main':
q1_client.c:13:32: warning: implicit declaration of function 'inet_addr' [-Wimplicit-function-declaration]
   13 | server_address.sin_addr.s_addr=inet_addr("127.0.0.1");
      |                                ^
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC:~/120CS0173_DCCN_Lab/Lab4$ ./q1
char from server is B
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC:~/120CS0173_DCCN_Lab/Lab4$
```

Q.2 Execute a client/server program for adding a two integer numbers requested by the client and evaluated at server and get back result at the client. You will be appreciated if you use command line arguments. (You can input ip address of the machine at the time of execution) (Hint: Use TCP_Socket2.doc file).

Output:



```
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC: ~/120CS0173_DCCN_Lab/Lab4
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC:~/120CS0173_DCCN_Lab/Lab4$ gcc -o q2client q2_client.c
q2_client.c: In function 'main':
q2_client.c:29:32: warning: implicit declaration of function 'inet_addr' [-Wimplicit-function-declaration]
 29 | server_address.sin_addr.s_addr=inet_addr("127.0.0.1");
    |                                ^
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC:~/120CS0173_DCCN_Lab/Lab4$ ./q2client
3 4
sum from server is 7
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC:~/120CS0173_DCCN_Lab/Lab4$

nitr@nitr-HP-ProDesk-600-G6-Microtower-PC: ~/120CS0173_DCCN_Lab/Lab4
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC:~/120CS0173_DCCN_Lab/Lab4$ gcc -o q2server q2_server.c
q2_server.c: In function 'main':
q2_server.c:31:32: warning: implicit declaration of function 'inet_addr' [-Wimplicit-function-declaration]
 31 | server_address.sin_addr.s_addr=inet_addr("127.0.0.1");
    |                                ^
nitr@nitr-HP-ProDesk-600-G6-Microtower-PC:~/120CS0173_DCCN_Lab/Lab4$ ./q2server
Server is ready to accept .....
Server is ready to accept .....
```