The prime numbers used are 11 and 13.

## **HOW TO EXECUTE THE C CODE FILES:**

Compile the server file first. Filename : serverrsa.c
Command : gcc serverrsa.c -lm

Run the server file giving a portnumber.

Command: ./a.out 5050

bharat@khandelwal-PC:~/Downloads/3-2/ComputerNetworks/lab\$ ./a.out 5050

3. Compile the client file next. Filename : clientrsa.c Command : gcc clientrsa.c -lm

4. Run the client file giving the same portnumber.

Command: ./a.out localhost 5050

bharat@khandelwal-PC:~/Downloads/3-2/ComputerNetworks/lab\$ ./a.out localhost 5050 Please enter the message to be encrypted and sent:

Screenshots are given below for two inputs.

Input 1: hello

Input 2: abcdefghijklmnopgrstuvwxyz

PLEASE WAIT A FEW MOMENTS FOR THE OUTPUT TO BE DISPLAYED ON THE SCREEN.