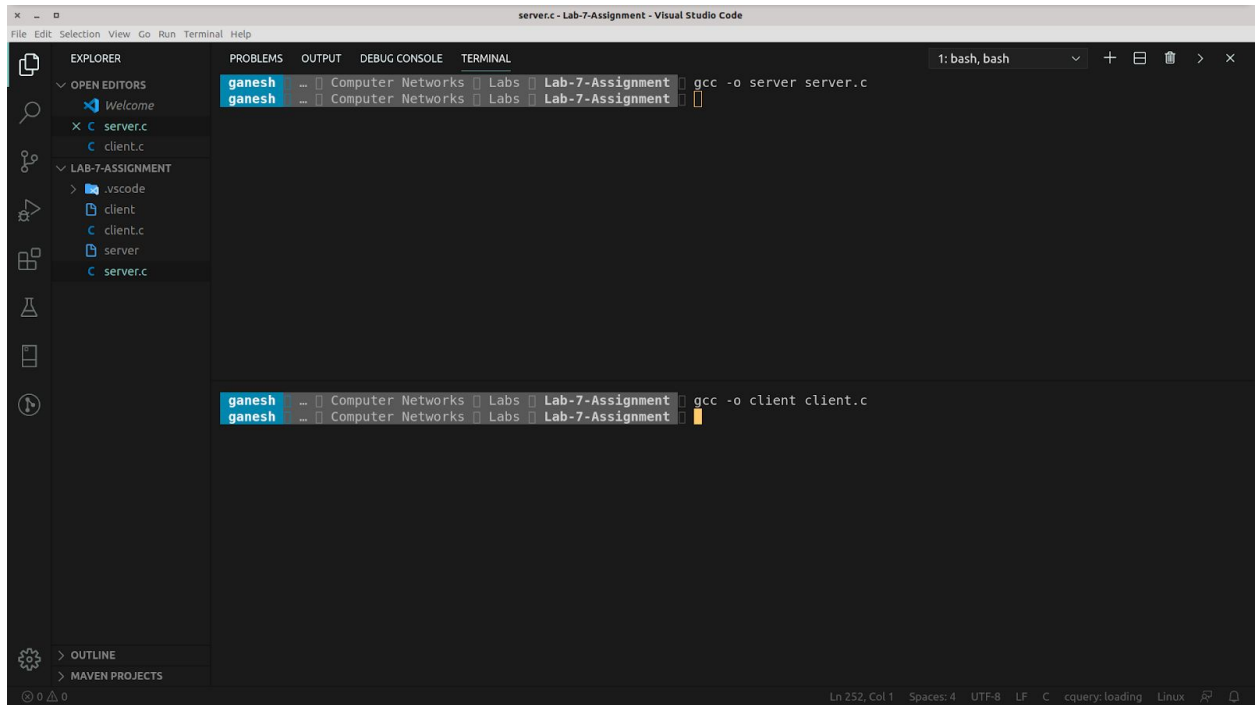


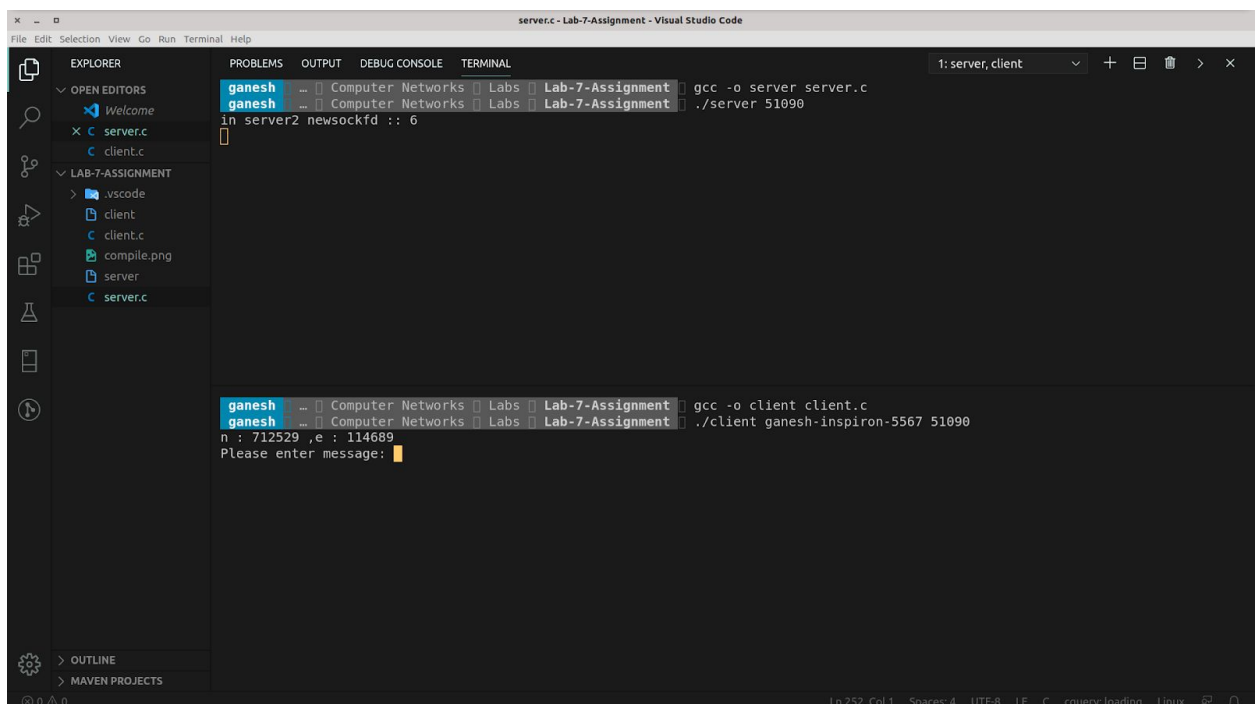
## 1) Compile



The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left displaying the project structure. The main editor area shows the terminal output for the compilation of server.c and client.c. The terminal is titled "1: bash, bash".

```
ganesh ... Computer Networks Labs Lab-7-Assignment gcc -o server server.c
ganesh ... Computer Networks Labs Lab-7-Assignment
ganesh ... Computer Networks Labs Lab-7-Assignment gcc -o client client.c
ganesh ... Computer Networks Labs Lab-7-Assignment
```

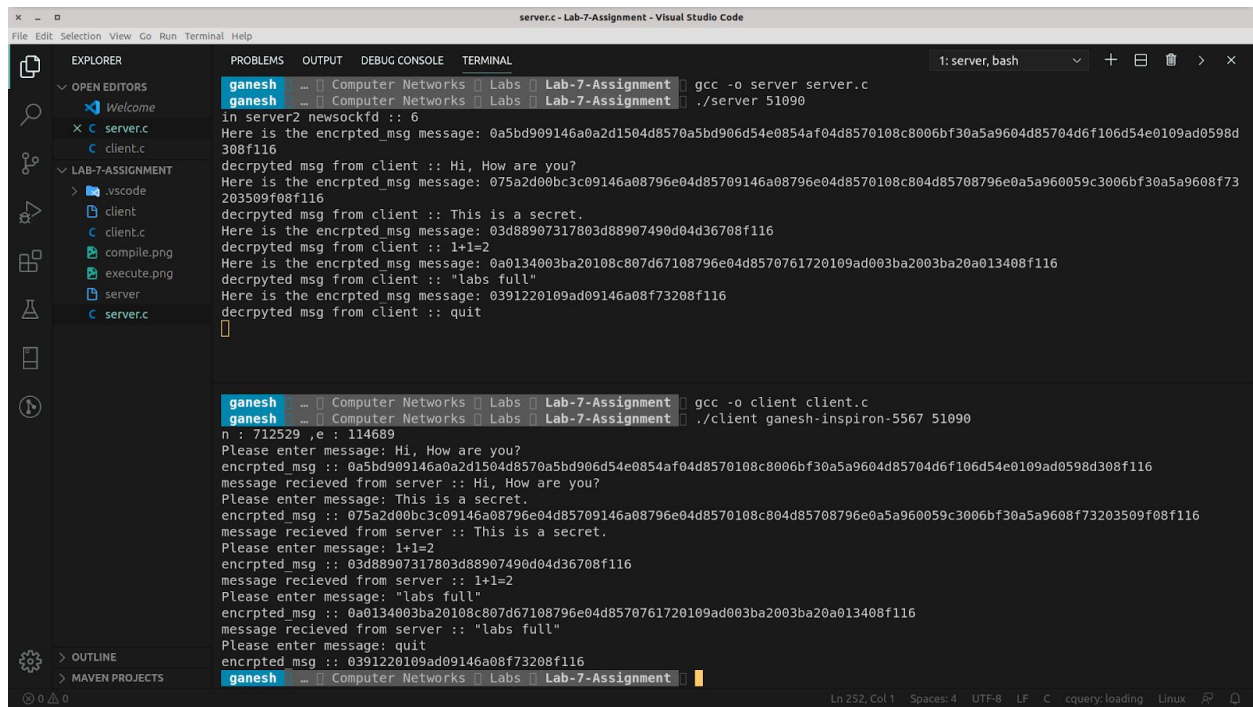
## 2) Execute



The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left displaying the project structure. The main editor area shows the terminal output for the execution of the server and client programs. The terminal is titled "1: server, client".

```
ganesh ... Computer Networks Labs Lab-7-Assignment gcc -o server server.c
ganesh ... Computer Networks Labs Lab-7-Assignment ./server 51090
in server2 newsockfd :: 6
ganesh ... Computer Networks Labs Lab-7-Assignment gcc -o client client.c
ganesh ... Computer Networks Labs Lab-7-Assignment ./client ganesh-inspiron-5567 51090
n : 712529 ,e : 114689
Please enter message:
```

### 3) Output



```
server.c - Lab-7-Assignment - Visual Studio Code
File Edit Selection View Go Run Terminal Help

EXPLORER
  OPEN EDITORS
    Welcome
    server.c
    client.c
  LAB-7-ASSIGNMENT
    .vscode
    client
    client.c
    compile.png
    execute.png
    server
    server.c

PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
  1: server, bash

ganesh - Computer Networks Labs Lab-7-Assignment gcc -o server server.c
ganesh - Computer Networks Labs Lab-7-Assignment ./server 51090
in server2 newsockfd :: 6
Here is the encrypted_msg message: 0a5bd909146a0a2d1504d8570a5bd906d54e0854af04d8570108c8006bf30a5a9604d85704d6f106d54e0109ad0598d308f116
decrypted msg from client :: Hi, How are you?
Here is the encrypted_msg message: 075a2d00bc3c09146a08796e04d85709146a08796e04d8570108c804d85708796e0a5a960059c3006bf30a5a9608f73203509f08f116
decrypted msg from client :: This is a secret.
Here is the encrypted_msg message: 03d88907317803d88907490d04d36708f116
decrypted msg from client :: 1+1=2
Here is the encrypted_msg message: 0a0134003ba20108c807d67108796e04d8570761720109ad003ba2003ba20a013408f116
decrypted msg from client :: "labs full"
Here is the encrypted_msg message: 0391220109ad09146a08f73208f116
decrypted msg from client :: quit

ganesh - Computer Networks Labs Lab-7-Assignment gcc -o client client.c
ganesh - Computer Networks Labs Lab-7-Assignment ./client ganesh-inspiron-5567 51090
n : 712529,e : 114689
Please enter message: Hi, How are you?
encrypted msg :: 0a5bd909146a0a2d1504d8570a5bd906d54e0854af04d8570108c8006bf30a5a9604d85704d6f106d54e0109ad0598d308f116
message recieved from server :: Hi, How are you?
Please enter message: This is a secret.
encrypted msg :: 075a2d00bc3c09146a08796e04d85709146a08796e04d8570108c804d85708796e0a5a960059c3006bf30a5a9608f73203509f08f116
message recieved from server :: This is a secret.
Please enter message: 1+1=2
encrypted msg :: 03d88907317803d88907490d04d36708f116
message recieved from server :: 1+1=2
Please enter message: "labs full"
encrypted msg :: 0a0134003ba20108c807d67108796e04d8570761720109ad003ba2003ba20a013408f116
message recieved from server :: "labs full"
Please enter message: quit
encrypted msg :: 0391220109ad09146a08f73208f116

ganesh - Computer Networks Labs Lab-7-Assignment
```