



Computer Networks Laboratory

Lab Assignment-2 (L2)

01.08.2019

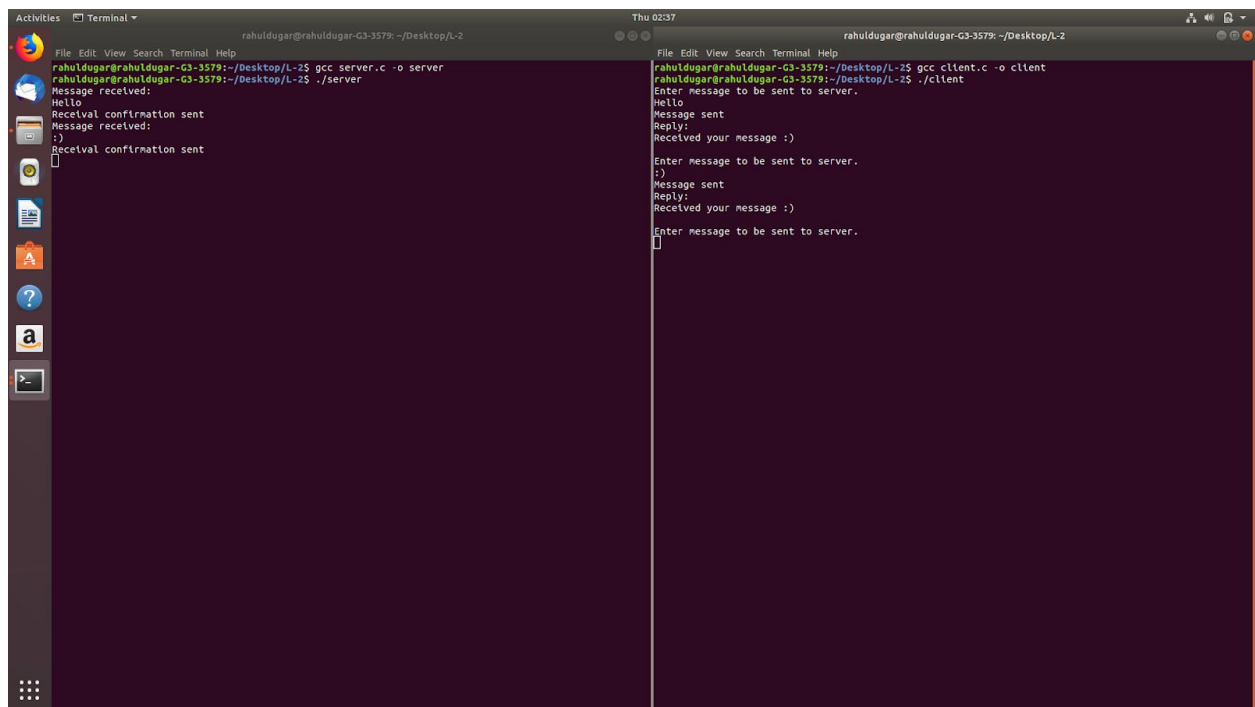
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CS-2

Problem Statement 1:

Write a socket program in C to connect two nodes on a network to communicate with each other, where one socket listens on a particular port at an IP, while other socket reaches out to the other to form a connection.



```
rahuldugar@rahuldugar-G3-3579: ~/Desktop/L-2
File Edit View Search Terminal Help
rahuldugar@rahuldugar-G3-3579:~/Desktop/L-2$ gcc server.c -o server
rahuldugar@rahuldugar-G3-3579:~/Desktop/L-2$ ./server
Message received:
Hello
Receival confirmation sent
Message received:
:)
Receival confirmation sent

```

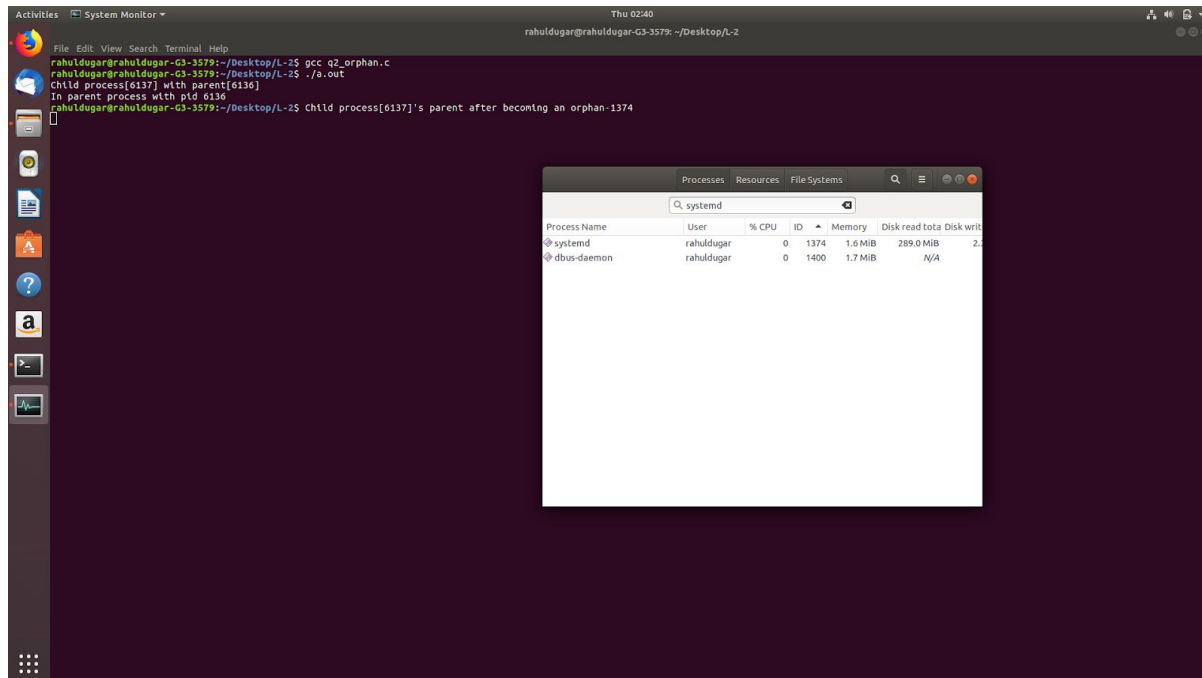
```
rahuldugar@rahuldugar-G3-3579: ~/Desktop/L-2
File Edit View Search Terminal Help
rahuldugar@rahuldugar-G3-3579:~/Desktop/L-2$ gcc client.c -o client
rahuldugar@rahuldugar-G3-3579:~/Desktop/L-2$ ./client
Enter message to be sent to server.
Hello
Message sent
Reply:
Received your message :)
Enter message to be sent to server.
:)
Message sent
Reply:
Received your message :)
Enter message to be sent to server.

```

Problem Statement 2:

Write a C program to demonstrate both Zombie and Orphan process.

Orphan process:



Zombie process:

