

Lecture-2

Computer Networks Laboratory

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Introduction

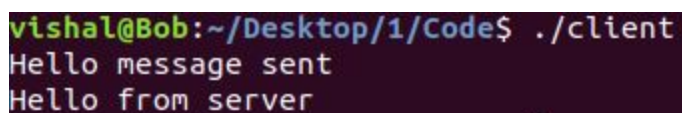
This is the report containing the snapshots of my terminal which demonstrates that my code for each of the problem statements is executing.

Problems

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.

Sockaddr is a structure that was used to store the port and was used in functions to access and listen to a specific port address



```
vishal@Bob:~/Desktop/1/Code$ ./client
Hello message sent
Hello from server
```

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

In this question I have primarily used `fork()`, `wait()`, and `sleep()` to simulate both zombie and orphan processes.

```
vishal@Bob:~/Desktop/1/Code$ ./q2
Inside Parent---- PID is : 8863
vishal@Bob:~/Desktop/1/Code$ Inside Child---- PID :8864 and PID of parent : 1435
Inside grandchild process---- PID of parent : 8864
```