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CSE IIIrd Year

Lab Assignment 2

1st August 2019

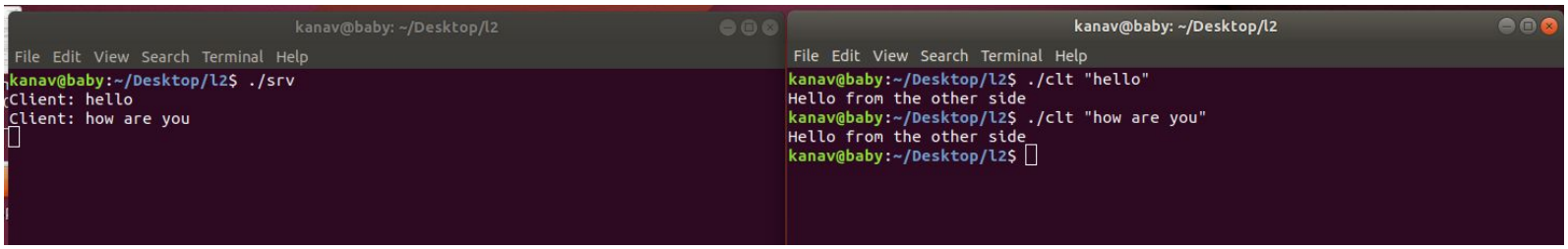
OVERVIEW

This is the assignment report submitted towards submission of Lab Assignment 2 of course CSN361 - Computer Networks Laboratory - Autumn 2019-20.

PROBLEM 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.*

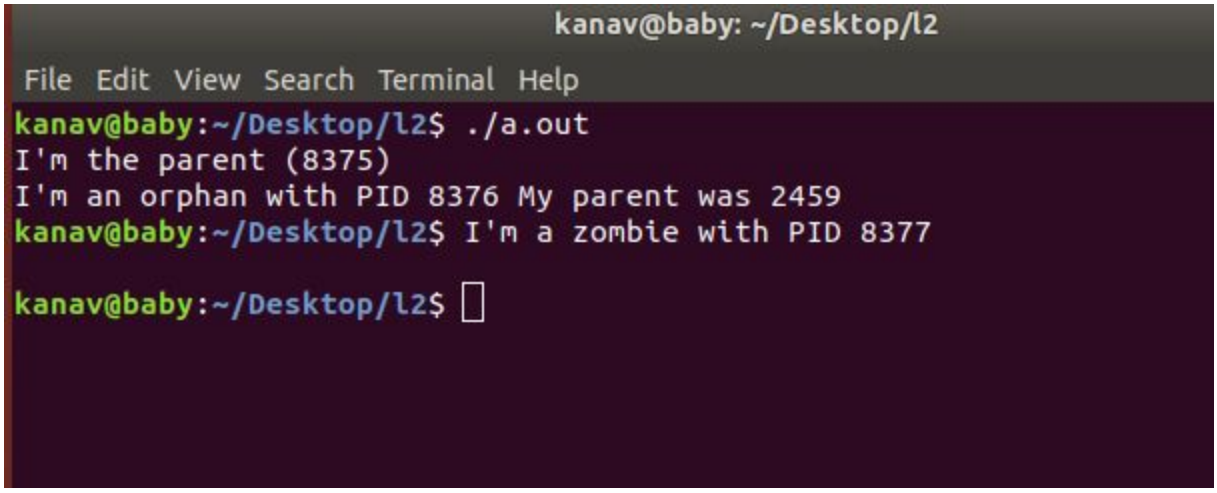
Infinite loop of `accept` is used in the server code. We run the server and send the message to the server from client by passing the message of client in the arguments. For the data structures, we use `sockaddr_in` which stores the address of the remote counterpart.



PROBLEM 2

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

No such special algorithm or data structure was used. Just a couple of `sleep`s were used to generate zombie and orphaned processes.


kanav@baby: ~/Desktop/l2
File Edit View Search Terminal Help
kanav@baby:~/Desktop/l2$ ./a.out
I'm the parent (8375)
I'm an orphan with PID 8376 My parent was 2459
kanav@baby:~/Desktop/l2$ I'm a zombie with PID 8377
kanav@baby:~/Desktop/l2$