



Assignment 2

01.08.2019

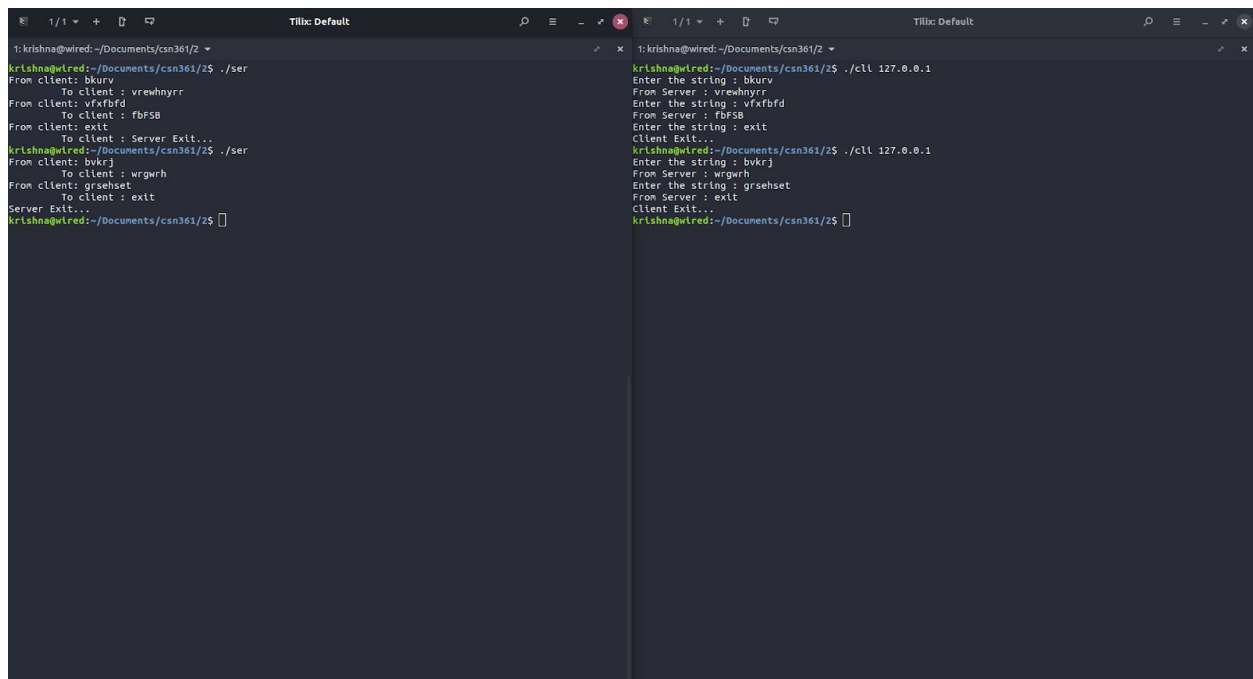
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CSE 3rd year

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.

Data Structures:- sockaddr_in

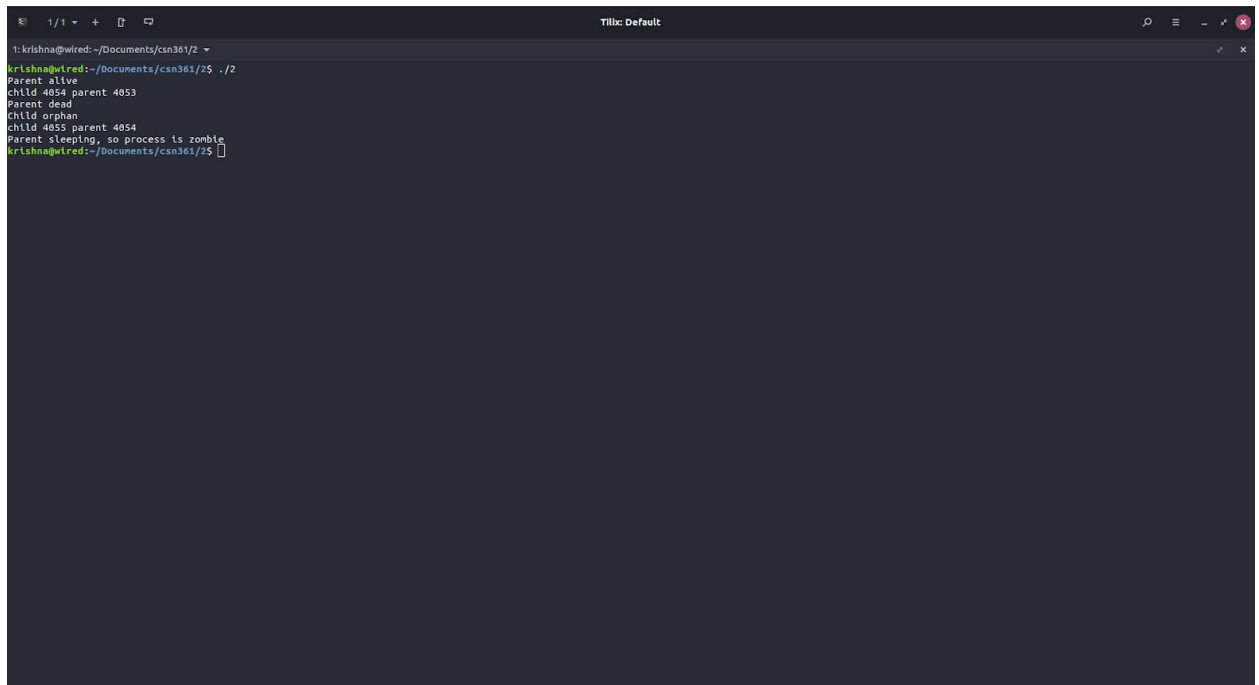


```
1: krishna@wired: ~/Documents/csn361/2
krishna@wired:~/Documents/csn361/2$ ./ser
From client: bkrvr
    To client : vrehnyrr
From client: vxfbrd
    To client : fbfsb
From client: exit
    To client : Server Exit...
krishna@wired:~/Documents/csn361/2$ ./ser
From client: bkrj
    To client : wrgwrh
From client: grsehset
    To client : exit
Server Exit...
krishna@wired:~/Documents/csn361/2$

1: krishna@wired: ~/Documents/csn361/2
krishna@wired:~/Documents/csn361/2$ ./cli 127.0.0.1
Enter the string : bkrvr
From Server : vrehnyrr
Enter the string : vxfbrd
From Server : fbfsb
Enter the string : exit
Client Exit...
krishna@wired:~/Documents/csn361/2$ ./cli 127.0.0.1
Enter the string : bkrj
From Server : wrgwrh
Enter the string : grsehset
From Server : exit
Client Exit...
krishna@wired:~/Documents/csn361/2$
```

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

Data Structures:- None



```
t:krishna@wired:~/Documents/csn361/2$  
krishna@wired:~/Documents/csn361/2$ ./2  
Parent alive  
child 4054 parent 4053  
Parent dead  
child orphan  
child 4055 parent 4054  
Parent sleeping, so process is zombie  
krishna@wired:~/Documents/csn361/2$
```