Codes:

Server:

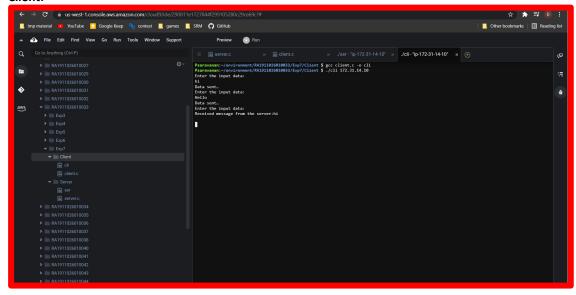
```
#include<sys/types.h>
#include<sys/socket.h>
#include<stdio.h>
#include<unistd.h>
#include<netdb.h>
#include<arpa/inet.h>
#include<netinet/in.h>
int main(int argc,char *argv[])
   int ad,sd;
   struct sockaddr_in servaddr,cliaddr;
    socklen_t servlen,clilen;
   char buff[1000],buff1[1000];
   pid_t cpid;
   bzero(&servaddr,sizeof(servaddr));
   servaddr.sin_family=AF_INET;
   servaddr.sin_addr.s_addr=htonl(INADDR_ANY);
   servaddr.sin_port=htons(5500);
    sd=socket(AF_INET,SOCK_STREAM,0);
    bind(sd,(struct sockaddr*)&servaddr,sizeof(servaddr));
    listen(sd,5);
    printf("%s\n","Server is running.....");
    ad=accept(sd,(struct sockaddr*)&cliaddr,&clilen);
   cpid=fork();
    if(cpid==0)
           while(1)
               bzero(&buff,sizeof(buff));
                recv(ad,buff,sizeof(buff),0);
           printf("Received message from the client:%s\n",buff);
           bzero(&buff1,sizeof(buff1));
            printf("%s\n","Enter the input data:");
            fgets(buff1,10000,stdin);
            send(ad,buff1,strlen(buff1)+1,0);
           printf("%s\n","Data sent...");
```

Client:

```
#include<sys/socket.h>
#include<sys/types.h>
#include<stdio.h>
#include<arpa/inet.h>
#include<unistd.h>
#include<netdb.h>
#include<netinet/in.h>
int main(int argc,char *argv[])
   int sd,cd;
   struct sockaddr_in servaddr,cliaddr;
    socklen_t servlen,clilen;
   char buff[1000],buff1[1000];
   pid_t cpid;
   bzero(&servaddr,sizeof(servaddr));
    servaddr.sin_family=AF_INET;
    servaddr.sin_addr.s_addr=inet_addr(argv[1]);
    servaddr.sin_port=htons(5500);
    sd=socket(AF_INET,SOCK_STREAM,0);
   cd=connect(sd,(struct sockaddr*)&servaddr,sizeof(servaddr));
   cpid=fork();
   if(cpid==0)
           bzero(&buff,sizeof(buff));
            printf("%s\n","Enter the input data:");
            fgets(buff,10000,stdin);
            send(sd,buff,strlen(buff)+1,0);
           printf("%s\n","Data sent...");
            bzero(&buff1,sizeof(buff1));
           recv(sd,buff1,sizeof(buff1),0);
           printf("Received message from the server:%s\n",buff1);
```

Ouput:

Client:



Server:

