Server-side Program: EchoServer.c

```
/*Required Headers*/
#include <sys/types.h>
#include <sys/socket.h>
#include <netdb.h>
#include <stdio.h>
#include<string.h>
int main()
  char str[100];
  int listen fd, comm fd;
  struct sockaddr in servaddr;
  listen fd = socket(AF INET, SOCK STREAM, 0);
  bzero( &servaddr, sizeof(servaddr));
  servaddr.sin_family = AF_INET;
  servaddr.sin_addr.s_addr = htonl(INADDR_ANY);
  servaddr.sin_port = htons(22000);
  bind(listen_fd, (struct sockaddr *) &servaddr, sizeof(servaddr));
  listen(listen_fd, 10);
  while(1)
    comm_fd = accept(listen_fd, (struct sockaddr*) NULL, NULL);
    bzero( str, 100);
    recv(comm_fd,str,100,0);
    printf("Echoing back - %s",str);
     send(comm_fd,str,strlen(str),0);
             close(comm fd);
```

Client Side Program: EchoClient.c

```
#include <sys/types.h>
#include <sys/socket.h>
#include <netdb.h>
#include <stdio.h>
#include<string.h>
int main(int argc,char **argv)
  int sockfd,n;
  char sendline[100];
  char recvline[100];
  struct sockaddr in servaddr;
  sockfd=socket(AF INET,SOCK STREAM,0);
  bzero(&servaddr,sizeof servaddr);
  servaddr.sin_family=AF_INET;
  servaddr.sin_port=htons(22000);
  servaddr.sin_addr.s_addr = inet_addr("127.0.0.1");
  //inet_pton(AF_INET,"127.0.0.1",&(servaddr.sin_addr));
  connect(sockfd,(struct sockaddr *)&servaddr,sizeof(servaddr));
  while(1)
    bzero(sendline, 100);
    bzero(recyline, 100);
    fgets(sendline,100,stdin); /*stdin = 0, for standard input */
            send(sockfd,sendline,strlen(sendline),0);
            recv(sockfd,recvline,100,0);
    printf("%s",recvline);
}
```