

Program

```
//-----server-----
#include<stdio.h>
#include<arpa/inet.h>
#include<sys/types.h>
#include<sys/socket.h>
#include<netinet/in.h>
#include<netdb.h>
#include<stdlib.h>
#include<string.h>
#include<unistd.h>
#define SERV_TCP_PORT 5035
#define MAX 60
int i, j, tem;
char buff[4096], t;
FILE *f1;
int main(int afg, char *argv)
{
    int sockfd, newsockfd, clength;
    struct sockaddr_in serv_addr, cli_addr;
    char t[MAX], str[MAX];
    strcpy(t, "exit");
    sockfd=socket(AF_INET, SOCK_STREAM, 0);
    serv_addr.sin_family=AF_INET;
    serv_addr.sin_addr.s_addr=INADDR_ANY;
    serv_addr.sin_port=htons(SERV_TCP_PORT);
    printf("\nBinded");
    bind(sockfd, (struct sockaddr*)&serv_addr, sizeof(serv_addr));
    printf("\nListening...");
    listen(sockfd, 5);
    clength=sizeof(cli_addr);
    newsockfd=accept(sockfd, (struct sockaddr*)&cli_addr, &clength);
    close(sockfd);
    read(newsockfd, &str, MAX);
    printf("\nClient message\n File Name : %s\n", str);
    f1=fopen(str, "r");
    while(fgets(buff, 4096, f1)!=NULL)
    {
        write(newsockfd, buff, MAX);
        printf("\n");
    }
    fclose(f1);
    printf("\nFile Transferred\n");
    return 0;
}

//-----client-----
#include<stdio.h>
#include<sys/types.h>
#include<sys/socket.h>
#include<netinet/in.h>
#include<netdb.h>
```

```

#include<stdlib.h>
#include<string.h>
#include<unistd.h>
#include <arpa/inet.h>

#define SERV_TCP_PORT 5035
#define MAX 60
int main(int arg,char*argv[])
{
    int sockfd,n;
    struct sockaddr_in serv_addr;
    struct hostent*server;
    char send[MAX],recvline[MAX],s[MAX],name[MAX];
    sockfd=socket(AF_INET,SOCK_STREAM,0);
    serv_addr.sin_family=AF_INET;
    serv_addr.sin_addr.s_addr=inet_addr("127.0.0.1");
    serv_addr.sin_port=htons(SERV_TCP_PORT);
    connect(sockfd,(struct sockaddr*)&serv_addr,sizeof(serv_addr));
    printf("\nEnter the source file name : \n");
    scanf("%s",send);
    write(sockfd,send,MAX);
    while((n=read(sockfd,recvline,MAX))!=0)
    {
        printf("%s",recvline);
    }
    close(sockfd);
    return 0;
}

```

Output

```
cek21cs049@ltsp791:~/s6networklab/ftp$ gcc -o server server.c
cek21cs049@ltsp791:~/s6networklab/ftp$ ./server
```

Binded

Listening...

Client message

File Name : hello.txt

File Transferred

```
cek21cs049@ltsp791:~/s6networklab/ftp$
```

```
cek21cs049@ltsp791:~/s6networklab/ftp$
cek21cs049@ltsp791:~/s6networklab/ftp$
```

Enter the source file name
hello.txt

hai how are you

```
cek21cs049@ltsp791:~/s6networklab/ftp$
```