TCP 编程框架

服务器

```c
#include <winsock2.h>
#include <stdio.h>
#include <io.h>

#define PORT 124
#define LEN  1024
#pragma comment (lib, "ws2_32.lib")

int main ()
{
       WSADATA wsaData;
       SOCKET sl;
       sockaddr_in in, from;
       int fromlen, i;
       char buf[LEN];
       SOCKET sc;

       WSAStartup (MAKEWORD(2,2), &wsaData);
       memset (&in, 0, sizeof(in));
       in.sin_family = AF_INET;
       in.sin_port   = htons(PORT);
       in.sin_addr.s_addr = inet_addr ("127.0.0.1");
       sl = socket (AF_INET, SOCK_STREAM, 0);
       bind (sl, (sockaddr *)&in, sizeof(in));
       listen(sl, 5);
       memset (&from, 0, sizeof(from));
       fromlen = sizeof(from);
       sc = accept (sl, (sockaddr *)from, &fromlen);

       /* get buf */
       len = recv(ss, buf, LEN, 0);
       printf ("Recv:%s\n", buf);
       /* send buf */
       send (sc, buf, len, 0);

       closesocket(sc);
       closesocket(sl);
       WSACleanup();
}
```

TCP 编程框架

客户端
```c
#include <winsock2.h>
#include <stdio.h>

#define PORT 124
#define LEN 1024
#pragma commet(lib, "ws2_32.lib")

void main ()
{
        WSADATA wsaData;
        SOCKET s;
        int len;
        sockaddr_in to;
        char buf[LEN];

        WSAStartup(MAKEWORD(2,2), &wsaData);
        s = socket(AF_INET, SOCKSTREAM, 0);
        memset (&to, 0, sizeof(to));
        to.sin_family = AF_INET;
        to.sin_addr.s_addr = inet_addr("127.0.0.1");
        int x = connect(s, (sockaddr *)&to, sizeof(to));

        scanf ("%s", buf);
        int y = send (s, buf, strlen(buf), 0);

        len = recv(s, buf, LEN, 0);
        printf ("Recv:%s\n", buf);

        closesocket(s);
        WSACleanup();
}
```