```
Mik
To implement client-server communication using UDP.
Рыоднат
Segreg
#include (stdio. h)
# include < stdlib.A>
#include Lunistd.h>
#include < storing.h>
# include (sys/types.h)
# include < sys/ socket. h?
# include Laupa/inet-h>
# include <netinet/in.h>
#define PORT 8080
#define MAXLINE 1024
void main () }
  int oocklyd;
  chase buffer [MAXLINE];
   chase hello [100];
   stouct sockaddor in servaddor, cliaddor;
   if ( socked = socket (AF_INET, SOCK_DGRAM, O)) < 0) }
       pesisiosi ("Bocket Couation Falled!!");
       exit (EXIT FAILURE);
   memset (& servadder, O, sizeaf (servadder));
   memset (Reliadder, 10, sizeof (cliadder));
    servadder. sin-adder. s-adder= INADDR - MNY;
    secovaddor, ein-poort = Atons (PORT)
    if (bind (sockld, (const stauct sockadder *) L seervadder, sizea) (
               segwadda ))<0)
        peoplool("Bind Falled!!");
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exit (EXIT_FAILURE);
    while (1) }
                                 I menseman I my fred
       int len, n;
       lon = size of (cliaddor);
        n= secv forom (socklyd, (chase *) buffer, MAXLINE, MSG_LHAITALL,
            (stand sockadder *) & cliadder & len);
        buffer [n] = 101;
        if (descomp (buffer, "exit", 4) == 0) {
            pointf ("Client Exiting... \n");
             close (sockfd);
             exit(o); many and many me
        pounts ("Forom Client: V % > \n", buffer);
        point ("To Went: vt");
        scanf ("%[^\n]s", hello);
        gerchasi();
        if (storemp (hello, "exit", 4) == 0) {
             parintfl"scaves Exiting... ");
             sendto (sockfel, (const chase +) hello, stoller (hello), MSG_CONFIRM
                  (const stouct sockaddon *) & cleaden, len);
   close (sock)d);
             exit(o);
         sendto (socked, (const chase *) hello, stalen (hello), MSG_confirm
             Const stouct sockadder &) & cliadder, len);
            pater, all of the
Client
# include Lstdlo. h)
# include < stdl 86. h>
# Include Lungstd. h>
# Include < storing.h>
#include (sys/types.h7
# include 2 sys/socket h>
#include Lasipa/inet.h>
#include < netinet/in.h>
#define PORT 8080
# deline MAXLINE 1024
```

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void main () ?
   int socked;
    chaor buffer [MAXLINE];
    chase hello [100];
    stouct sockadder in servadder;
    if ((sockld = socket (AF-INET, SOCK_DGRAM, O)) < 0) {
        peologo ("Socket Couation Falled!!");
         exit (EXIT_FAILURE);
    memset (& servadder, O, size of (seervadder));
     servaddor, sin_family = AF_INET;
     servadder, sin_post = htons (PORT);
     seavadda. sin_adda. s_adda = INADDR_&NY;
     whele (1) 3
        int nilen;
        parenty ("To seaves: \t");
        scanf("%[1\n]s", hello);
         getinasi();
         if (staining Chello, "exit", 4)==0)?
             pointy (" Client Exiting ... ");
             sendto (socked, (const chaoix) hello, stocken (hello), MSG.CONFR
              (const stouct sockadder *) { segradder, sizeof (segradder));
             close (sockad);
             exttlo); (a son breat of loss letters
         sendto (sockfd, Const chase &) hello, stollen (hello), MSG-CONFIRM
           (const stanct sockadder &) & segradder, size of (souvadder));
           one loucked!
         n= siecvforom (sockfd, (chasi +) buffer, MAXLINE, MSG_NAIRAL
            (etenuct sockadoler &) & seervadder, & len);
         buffer [n] = '10';
         if (stornemp( buffer, "exit", 4) == 0) }
              paintf ("Scaves Exiting ... \n");
               close (sockad);
                                     Carrylages 25
               exitio);
         points ("Form Server: It % In", buffer);
```

Lin Pilotal

Output

Segves

Forom Client: Hi Server

To Client: Hi Client

Client Exiting ...

Client

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To Segiven: Hi Segiven

Forom Segureat: Hi Client

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To Sesures: exit

Client Exiting ...