Output

Segveg

Socket Cowation Successful.

Socket Bind Successful.

Seaven Listening...

Seaven Accepted the Client.

Message from Client: hi

Message to Client: exit

Seaven Exiting...

, Cal de labore, and man , a series of the self-industrial

read - reads (Latel II), real , seading total & 1)

Charles William Miller Maria

Client
Sochet Covation Successful
Connected to the Seaven.
Message to Seaven hi
Message John Seaven: exit
Client Exiting...

old 80

```
mal harming
Aim
To implement client-server communication using TCP/IP.
Pologolam
               porter by the hor form
Segveg
#include Lstdio. A>
# include (netdb.h)
#Include < netinet /in.h>
#Include < stalib.h>
# include (storing. h) 14 plant all account
# include Lsys/sockethy
# Producte (sys /types h)
#define Max 80
# clefine PORT 8080
# clefine sx storuct sockadder
void Junc (int socked)
   chasi bugg [MAX];
   int ni
   €091 (;;) { ("a/!! be to a model") | fair
     bzeero (buff, MAX);
     sead (sockld, buff, size of (buff));
     parinta ("Mossage Joion Client: "/os Message to Client: ", buff);
     bread (bull, MAX);
      n=0:
      kihale ((buff [n++] = getchao())!= 'In');
      rishite (socked, buff, size of (buff));
      if (storemp ("exit", buff, 4) == 0) {
        paintf ("Seaves Exiting... In");
       baceak;
```

```
void main ()
    int sockfel, connid, len;
    stouch sockaddor-in servadder, cli;
    socked = socket (AF_INET, SOCK_STREAM, O);
    if (sockfd ==-1) {
        pointf ("sochet Cocation Failed!!! 'n");
        exitto);
                                      CA Often com
                                    (ade & meldb. h)
    else
       parental "Socket Caration Successful. "");
    bzeno (fsenvadda, sizeo) (senvadda));
    segradder, sin-family = AF-INET;
    seen adder. sin_adder. s_adder = Atonl (INADDR_ANY);
    Bearvaddar. sin_posit = htons (PORT);
    if (wind (sockild, (344) Received don, size of (secretadda)))!=0){
        pouint { ("Socket Bind Falled! !! ! );
         exit(o);
                                 (bfolios this societa)
        perinty ("Socket Bind Successful. In");
    if 11 listen (sock)d,5))!=0) {
         porint ("Listen Falled!!! In");
         exit(0);
                    larcheld, buff, street thuff
        painty ("Server Listening ... In");
     len= stollen (chi);
     connid = accept (sockld, (saa) Rcli, Rlen);
      if (connid <0) §
          pointy (" seaves Accept Falled!!! \n");
                          Pall Haves ( " ) Halley
          parintal" Seaved Accepted the Client. In");
```

```
close (sock)d);
3
      Well "Bocket Vountion Falled !! It's ?
Cleent
#include (neldb.h)
#include < stdio. hr
                   mild wie trima?" ) ftermen
Hinclude Kstalib. A>
# include ( storing h)
# include Lsys / socket. hr
# define MAX 80 m man a mahon nie. montes
#define PORT 80801)
# define SA stouct sackadda
vold functint socked)
                    painty ("Lennechten with
   chasi buff [MAX];
   int n;
   foor (;;) ?
      bzesio (buff, sizeof (buff));
       parint ("Message to Seaven:");
       n=0;
       mihite 11 build [n++] = getchasi()) != '\n');
       hisite laockjd, buff, sized (buff));
       bzeno (buff, size of (buff));
       stead (sockld, buff, size of (buff));
       point? (" Message forom Server: %s", buff);
       if ((stammp (buff, "exit", 4)) == 0) }
            parintf ("Client Exiting ... In");
            bewak;
        3
    3
 I
 void main()
     int socklyd, connld;
     stamet sochaddar. In seawaddar, cli;
     socked = socket LAF-INET, SOCK-STREAM, O);
```

```
if (socked == -1) }
         painty ("Socket Couation Failed !!! \n");
         ex9+(0);
          paintf ("Socket Covation Successful. In");
     bzeno (Asenvadder, sizeof (seervadder));
     servaddor. sin_family = AF_IMET;
     8091 Vaddar. 8"n_addar. s_addar = "net_coddar ("127.0.0.1");
     seawadder. sin-post = Atons (PORT);
     if (connect (sock )d, (SA*) lsest vadder, size of (sest vadder))!=0
         parint ("Connection with the seawer Falled!!!\n");
         exit(o);
          paint ("connected to the Seaves. In");
     June (sockld);
     close (sockfd);
                     whale (though lines) = goldon
3
            Higher fraction, bull, sized (bull)
                    brice (buf) siered (buf)).
             second (socked , bud ), sizer (bud !))
Besult
Implemented client-server communication
                                                using TCP/19
             Car prilled in $13" ( thing
                                         () from blow
                              the entitle consist
              the maker one of rebland on formers
      TO. + TRUTHER . HOUS , PILLE THE THE HOUSE OF
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