```
Output :
 $.1 neserver
  Listen called
  Accepted
    rm: cannot rumoue 'temp': no such file directory
   11 > tump
    Result cent
   who > tump
Result cent
    Accepted
    pwd
     pwd>6emp
     hualt part
```

output instance of client. \$ . / Heclient 127.0.0.1 Enter command: who Ouly a point has Recuired: Kali tty7 2020-11-17 03:36 Cun written. \$ . 1 reclient 127.0,0,1 Enter command: le-1 Recind: total 48 1 kali kali 17176 Nov 17 05:02 reclient - YWX7-X7-X kali kali 1616 Nov 17 04:44 ordinkie - YW-Y--Y--

Emplementation of number command execution using socket eystern ealls.

H hemote command lunur

# include 2stdio.h>

# include < hetinet/in.h>

# include < hetinet/in.h>

# include < sys/ socket.h>

# include < sys/ socket.h>

# include < suristd, 4>

# include < string.h>

# include < string.h>

# include < fontl.h>

# define BUPSIZE 1024
# define PORT 5000
# define IP INADDR\_ANY
# define BACKCOG 5

void servfunc (int cockfd)

char buf [BUFSIZE];
int cut, fd;
cut = Hecu (Sockfd, buf, BUFSIZE, 0);
white (1, buf, cut);
buf [cnt-1] = '10';
system ("rm temp");

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### OBSERVATION / DATA SHEET

Date	Name
Dept./Lab	ClassExpt./No
Title	inc lister phone phones are
//7. W	rur cont
	streat (buf, " > temp");
	printf ("1.8 ln", buf);
	system (buf);
(o,mas	system ("chmod at temp");
mus & (*	printf ("In");
	fd = open ( 'temp", o-RDONLY);
	if (fd == -1)
	sund ( sockfd, buy, stalen ( buy ), 0);
	rutum;
(n d)	bzuco (by, BUFSIZE);
	while (cut = mad (fd, buf, BUFSIZE))
	fund ( coulefd, by, cut, 0);
	beero (by, BURI Feacher incharge

```
printf ("Pesult sent In");
           close (fd);
                                                           R.V.
int main ()
          int listenfo , accepted, fral;
                                                            Dept./Lal
             hzero (Surv, sizes/(surv));
             surv. sin-family = AF_INET;
              serv, sin-port = htons(port);
serv. sin addr. exaddr = htons(1P);
             tisting = soulet (AF. INET, SOCK STREAM, O)
              if (bind ( listerfd, (struct sockaddr*) & w
                       size (sew)) == -1)
                      puintf ( " Euror bind ");
error(0);
              if ( lister ( listenfol, BACKLOG) <0)
                     print (" Unable to call listen ");
                     enit (o);
              printf ( " Linker called");
```

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#### **OBSERVATION / DATA SHEET**

	Date	Name	
	Dept./Lab	Class	_Expt./No
adfT	Title	_	
	ll cont while (1)		
j 11(1P);		= accept(like eceptfd == -1)	fenfol, NULL, NULL);
STREAM, O)	4	exit(o);	
addr*) f w	3 pouint	("Accepted"n")	);
	fral.	= fork();	
		fual==0)	
, )	3	close (sistenfd	);
)		serv func (acc	cptfd).
isten lu");		clon ( accept	4d);
	}	enit(o);	) //
	Close 1 a	accepffd);	
3	return 0;	T ] * //	Signature of Teacher incharge
	// 3///AI A		

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#### **OBSERVATION / DATA SHEET**

Date	Name			
Dept./Lab	Class	Expt./N	lo	
Title	;(0	east-C		
# include < ofdio	ルン		7	
# include < stol		यर्प (" शर्वार		
#indule cs		one (lon)		
1 6 1	sys ) eocket.h)	> bout ?		
# include <	string h>	nd levelly.		
	_ sufficit/in.	h>		
#include <	corps/rut.	n>		
# include «	e strings.h>	272 J Frank	1	
u alore	,			
# define	BUFSIZE 1024	THE JUSTICE	3	
V Country of the second of the	PORT 5000			
# define	[P "127.0.0.	19		
aut main	(int argc		((3)	
ર્				
	struct soulca		; and the	
	Char buf [ R			
	int socketd	, cut;	Signature of	
	of conge!=	2) Tea	cher incharge	wilda).
	7 Deuts	Format: . / a	1.0W 9P> /; (	Jun (0), 3

```
goldet ( AF. INET, SOCK-STREAM, 0); t. No. 7
   if (connect (sockfd, (struct sockaddr *) for I limote command client
                   siziaf (serv)) == 1)
                                                            lade on observationsheet
          puint (" Unable to connect");
             enit(0);
      puint (" Enter command (n");
      bzure (buf, BUFSIZE);
      cht = mead ( 1, but, BUFSIZE);
       send (socket, but, studen (buf), 0);
       bzoro (buf, BUFSIZE);
        paints ( " Recieved in");
                                  the middle the
     whole (1)
         while ( ent = necv ( socketo, by, BUF812E,
                 write (1, buf, cut);
       close ( sockfd);
       ruturn 0;
           straict intaction in a
I llend.
                                                                             Teacher's Signat
```