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CODE: CSA0734

EXPERIMENT: 31

AIM: To implement date and time display from client to server using TCP sockets.

PROGRAM:

```
#include"netinet/in.h"

#include"sys/socket.h"

#include"stdio.h"

main()

{

struct sockaddr_in sa,cli;

int n,sockfd;

int len;char buff[100];

sockfd=socket(AF_INET,SOCK_STREAM,0);

if(sockfd<0){ printf("\nError in Socket");

exit(0);

}

else printf("\nSocket is Opened");

bzero(&sa,sizeof(sa));

sa.sin_family=AF_INET;

sa.sin_port=htons(5600);

if(connect(sockfd,(struct sockaddr*)&sa,sizeof(sa))<0)

{

printf("\nError in connection failed");
```

```

exit(0);

}

else

printf("\nconnected successfully");

if(n=read(sockfd,buff,sizeof(buff))<0)

{

printf("\nError in Reading");

exit(0);

}

else

{printf("\nMessage Read %s",buff);

}}

```

OUTPUT:

SERVER SIDE:

```

[shanthi@linuxserver ~]$ cc tcpcd.c

[shanthi@linuxserver ~]$ cc tcpcd.c -o ll

[shanthi@linuxserver ~]$ ./ll

Socket is Openedconnected successfully

Message Read Fri Sep 24 15:16:26 2010

[shanthi@linuxserver ~]$

```

CLIENT SIDE:

```

[shanthi@linuxserver ~]$ cc tcpd.c

[shanthi@linuxserver ~]$ cc tcpd.c -o kk

[shanthi@linuxserver ~]$ ./kk

SocketOpenedBinded SuccessfullyAccepted

```

RESULT: Therefore,implementation of date and time display from client to server using TCP sockets.