21BCE1796 B SHAKTHI

COMPUTER NETWORKS

LAB ASSESSMENT - 3

Program: Server Side:

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C server.c ×
                                           #include <stdio.h>
#include <stdio.h>
#include <sys/types.h>
#include <netinet/in.h>
#include <string.h>
#include <time.h>
int main()
                                                       int sd, sd2, nsd, clilen, sport, len;
int port;
time_t ticks;
char sendmsg[100], rcvmsg[100];
struct sockaddr_in servaddr, cliaddr;
printf("Enter the server port: \n");
scanf("%ad", &sport);
printf("%d", sport);
d = socket(AF_INET, SOCK_STREAM, 0);
ticks = time(NULL);
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                                                        else
    printf("Socket is created\n");
servaddr.sin_family = AF_INET;
servaddr.sin_addr.s_addr = hton(INADDR_ANY);
servaddr.sin_port = htons(sport);
sd2 = bind(sd, (struct sockaddr *)&servaddr, sizeof(servaddr));
if (sd2 < 0)
    printf("Can't bind\n");</pre>
                                                         else
                                                       else
    printf("Binded\n");
listen(sd, 5);
clilen = sizeof(cliaddr);
nsd = accept(sd, (struct sockaddr *)&cliaddr, &clilen);
if (nsd < 0)
    printf("can't accept\n");</pre>
                                                         else
                                                         printf("Accepted\n");
char Hell[100];
int Flag = 1;
while (Flag != 0)
                                                                    printf("Server: ");
scanf(" %[^\n]", Hell);
if (Hell[0] == '5' && Hell[1] == 'P')
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if (Hell[0] == 'S' && Hell[1] == 'P')
                                                                    }
strcpy(sendmsg, Hell);
send(nsd, sendmsg, 100, 0);
printf("Client: ");
recv(nsd, rcvmsg, 100, 0);
printf("%s\n", rcvmsg);
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```

Client Side:

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Chat Application Execution:

