3A CLIENT

#include <stdio.h></stdio.h>	#include <arpa inet.h=""></arpa>
#include <netdb.h></netdb.h>	#include <netdb.h></netdb.h>
#include <netinet in.h=""></netinet>	#include <stdio.h></stdio.h>
#include <stdlib.h></stdlib.h>	#include <stdlib.h></stdlib.h>
#include <string.h></string.h>	#include <string.h></string.h>
#include <sys socket.h=""></sys>	#include <strings.h></strings.h>
#include <sys types.h=""></sys>	#include <sys socket.h=""></sys>
#include <unistd.h></unistd.h>	#include <unistd.h></unistd.h>
#define MAX 80	#define MAX 80
#define PORT 8080	#define PORT 8080
#define SA struct sockaddr	#define SA struct sockaddr
	void func(int sockfd)
void func(int connfd)	{char buff[MAX]; int n;
{ char buff[MAX]; int n;	for (;;) {bzero(buff, sizeof(buff));
for (;;) { bzero(buff, MAX);	<pre>printf("Enter the string : "); n = 0;</pre>
read(connfd, buff, sizeof(buff));	while ((buff[n++] = getchar()) != '\n')
<pre>printf("From client: %s\t To client : ", buff);</pre>	<pre>write(sockfd, buff, sizeof(buff));</pre>
bzero(buff, MAX); $n = 0$;	bzero(buff, sizeof(buff));
while ((buff[n++] = getchar()) != '\n')	read(sockfd, buff, sizeof(buff));
<pre>write(connfd, buff, sizeof(buff));</pre>	<pre>printf("From Server : %s", buff);</pre>
if $(strncmp("exit", buff, 4) == 0)$ {	if ((strncmp(buff, "exit", 4)) == 0) {
<pre>printf("Server Exit\n"); break; } }</pre>	<pre>printf("Client Exit\n"); break;}}</pre>
int main()	,
{ int sockfd, connfd, len;	int main()
struct sockaddr_in servaddr, cli;	{int sockfd, connfd;
sockfd = socket(AF_INET,	struct sockaddr_in servaddr, cli;
SOCK_STREAM, 0);	<pre>sockfd = socket(AF_INET, SOCK_STREAM, 0);</pre>
if (sockfd == -1) {	if (sockfd == -1) {
<pre>printf("socket creation failed\n");</pre>	<pre>printf("socket creation failed\n");</pre>
exit(0); } else	exit(0);} else
<pre>printf("Socket successfully created\n");</pre>	<pre>printf("Socket successfully created\n");</pre>
bzero(&servaddr, sizeof(servaddr));	bzero(&servaddr, sizeof(servaddr));
servaddr.sin_family = AF_INET;	servaddr.sin_family = AF_INET;
servaddr.sin_addr.s_addr =	servaddr.sin_addr.s_addr =
htonl(INADDR_ANY);	inet_addr("127.0.0.1");
servaddr.sin_port = htons(PORT);	<pre>servaddr.sin_port = htons(PORT);</pre>
if ((bind(sockfd, (SA*)&servaddr,	if (connect(sockfd, (SA*)&servaddr,
sizeof(servaddr))) != 0) {	sizeof(servaddr))
<pre>printf("socket bind failed\n");</pre>	!= 0) {
exit(0); } else	<pre>printf("connection with the server failed\n");</pre>
<pre>printf("Socket successfully binded\n");</pre>	exit(0);}
if ((listen(sockfd, 5)) != 0) {	else
<pre>printf("Listen failed\n"); exit(0); } else</pre>	<pre>printf("connected to the server\n");</pre>
<pre>printf("Server listening\n"); len = sizeof(cli);</pre>	func(sockfd); close(sockfd);}
connfd = accept(sockfd, (SA*)&cli, &len);	
if (connfd < 0) {	
<pre>printf("server accept failed\n");</pre>	
exit(0); } else	
<pre>printf("server accept the client\n");</pre>	
func(connfd); close(sockfd); }	
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