#include <arpa/inet.h> // inet\_addr()

#include <netdb.h>

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#include <strings.h> // bzero()

#include <sys/socket.h>

#include <unistd.h> // read(), write(), close()

#define MAX 80

#define PORT 8080

#define SA struct sockaddr

void func(int sockfd)

{

char buff[MAX];

int n;

for (;;) {

bzero(buff, sizeof(buff));

printf("Enter the string : ");

n = 0;

while ((buff[n++] = getchar()) != '\n')

;

write(sockfd, buff, sizeof(buff));

bzero(buff, sizeof(buff));

read(sockfd, buff, sizeof(buff));

printf("From Server : %s", buff);

if ((strncmp(buff, "exit", 4)) == 0) {

printf("Client Exit...\n");

break;

}

}

}

int main()

{

int sockfd, connfd;

struct sockaddr\_in servaddr, cli;

// socket create and verification

sockfd = socket(AF\_INET, SOCK\_STREAM, 0);

if (sockfd == -1) {

printf("socket creation failed...\n");

exit(0);

}

else

printf("Socket successfully created..\n");

bzero(&servaddr, sizeof(servaddr));

// assign IP, PORT

servaddr.sin\_family = AF\_INET;

servaddr.sin\_addr.s\_addr = inet\_addr("127.0.0.1");

servaddr.sin\_port = htons(PORT);

// connect the client socket to server socket

if (connect(sockfd, (SA\*)&servaddr, sizeof(servaddr))

!= 0) {

printf("connection with the server failed...\n");

exit(0);

}

else

printf("connected to the server..\n");

// function for chat

func(sockfd);

// close the socket

close(sockfd);

}