```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
#include <netdb.h>
void error(char *msg)
{
    perror(msg);
    exit(0);
void main(int argc, char *argv[])
{
    int sockfd, portno, ret;
    struct sockaddr in serv addr;
    struct hostent *server;
    char buffer[256];
    if (argc < 3) {
      fprintf(stderr, "usage %s hostname port\n", argv[0]);
      exit(0);
    portno = atoi(argv[2]);
    sockfd = socket(AF INET, SOCK STREAM, 0);
    if (sockfd < 0) error("ERROR opening socket");</pre>
    server = gethostbyname(argv[1]);
    if (server == NULL) error ("ERROR, no such host");
    bzero((char *) &serv addr, sizeof(serv addr));
    serv addr.sin family = AF INET;
    bcopy((char *)server->h addr,
          (char *)&serv addr.sin addr.s addr, server->h length);
    serv addr.sin port = htons(portno);
    if (connect(sockfd, (struct sockaddr *)&serv addr, sizeof(serv addr)) < 0)</pre>
      error("ERROR connecting");
    printf ("Please enter the message: ");
    scanf ("%s", buffer);
    ret = write (sockfd, buffer, strlen(buffer));
    if (ret < 0) error ("ERROR writing to socket");</pre>
    bzero (buffer, 256);
    ret = read (sockfd, buffer, 255);
    if (ret < 0) error ("ERROR reading from socket");
    printf ("%s\n",buffer);
    close (sockfd);
```