## **CLIENT CODE:**

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <unistd.h>
#include <arpa/inet.h>
#define PORT 8080
#define MAXLINE 1024
int main() {
  int sockfd;
  char buffer[MAXLINE];
  struct sockaddr in servaddr;
  if ((sockfd = socket(AF_INET, SOCK_DGRAM, 0)) < 0) {
    perror("socket creation failed");
    exit(EXIT_FAILURE);
  memset(&servaddr, 0, sizeof(servaddr));
  servaddr.sin_family = AF_INET;
  servaddr.sin_port = htons(PORT);
  servaddr.sin_addr.s_addr = INADDR_ANY;
  printf("Enter an IPv4 address: ");
  fgets(buffer, MAXLINE, stdin);
  sendto(sockfd, (const char *)buffer, strlen(buffer), MSG_CONFIRM, (const struct sockaddr
*)&servaddr, sizeof(servaddr));
  printf("Waiting for server response...\n");
  int n;
  socklen_t len;
  n = recvfrom(sockfd, (char *)buffer, MAXLINE, MSG_WAITALL, (struct sockaddr
*)&servaddr, &len);
  buffer[n] = \0;
  printf("%s\n", buffer);
  close(sockfd);
  return 0;
```