using System;

using System.Collections.Generic;

using System.Linq;

using System.Net;

using System.Net.Sockets;

using System.Text;

using System.Threading.Tasks;

namespace UDP.Server

{

public class Program

{

public static int RemotePort { get; set; }

public static int LocalPort { get; set; }

public static IPAddress RemoteIPAddress { get; set; }

static void Main(string[] args)

{

Console.SetWindowSize(40, 20);

Console.Title = "Babat Chat";

Console.WriteLine("Enter ip address : ");

RemoteIPAddress = IPAddress.Parse(Console.ReadLine());

Console.WriteLine("Enter remote port : ");

RemotePort = int.Parse(Console.ReadLine());

Console.WriteLine("Enter local port : ");

LocalPort = int.Parse(Console.ReadLine());

Task.Factory.StartNew(() => Listener(),TaskCreationOptions.LongRunning);

Console.ForegroundColor = ConsoleColor.Red;

while (true)

{

Client(Console.ReadLine());

}

}

private static void Client(string data)

{

using (var client=new UdpClient())

{

try

{

var ep = new IPEndPoint(RemoteIPAddress, RemotePort);

var bytes = Encoding.UTF8.GetBytes(data);

client.Send(bytes, bytes.Length, ep);

}

catch (Exception)

{

throw;

}

}

}

private static void Listener()

{

try

{

while (true)

{

UdpClient uclient = new UdpClient(LocalPort);

IPEndPoint ep = new IPEndPoint(RemoteIPAddress, LocalPort);

var response = uclient.Receive(ref ep);

var data=Encoding.UTF8.GetString(response);

Console.ForegroundColor=ConsoleColor.Green;

Console.WriteLine($"{ep.Address} - data : {data}");

Console.ForegroundColor = ConsoleColor.Red;

uclient.Close();

}

}

catch (Exception ex)

{

Console.WriteLine(ex.Message);

}

}

}

}