## CHƯƠNG 3: BÀI TẤP 1

```
using System;
using System.Net;
using System.Net.Sockets;
using System.Text;
class SimpleUdpSrvr
 public static void Main()
  int recv;
  byte[] data = new byte[1024];
   IPEndPoint ipep = new IPEndPoint(IPAddress.Any, 9050);
   Socket newsock = new Socket (AddressFamily.InterNetwork,
           SocketType.Dgram, ProtocolType.Udp);
  newsock.Bind(ipep);
   Console.WriteLine("Waiting for a client...");
   IPEndPoint sender = new IPEndPoint(IPAddress.Any, 0);
  EndPoint Remote = (EndPoint) (sender);
   recv = newsock.ReceiveFrom(data, ref Remote);
  Console.WriteLine("Message received from {0}:", Remote.ToString());
  Console.WriteLine(Encoding.ASCII.GetString(data, 0, recv));
   string welcome = "Welcome to my test server";
  data = Encoding.ASCII.GetBytes(welcome);
  newsock.SendTo(data, data.Length, SocketFlags.None, Remote);
  while(true)
     data = new byte[1024];
    recv = newsock.ReceiveFrom(data, ref Remote);
    Console.WriteLine(Encoding.ASCII.GetString(data, 0, recv));
    newsock.SendTo(data, recv, SocketFlags.None, Remote);
```

```
string welcome = "Hello, are you there?";
  data = Encoding.ASCII.GetBytes(welcome);
  server.SendTo(data, data.Length, SocketFlags.None, ipep);
  IPEndPoint sender = new IPEndPoint(IPAddress.Any, 0);
  EndPoint Remote = (EndPoint) sender;
  data = new byte[1024];
  int recv = server.ReceiveFrom(data, ref Remote);
  Console.WriteLine("Message received from {0}:", Remote.ToString());
  Console.WriteLine(Encoding.ASCII.GetString(data, 0, recv));
  while(true)
    input = Console.ReadLine();
    if (input == "exit")
     break;
    server.SendTo(Encoding.ASCII.GetBytes(input), Remote);
    data = new byte[1024];
    recv = server.ReceiveFrom(data, ref Remote);
    stringData = Encoding.ASCII.GetString(data, 0, recv);
    Console.WriteLine(stringData);
  Console.WriteLine("Stopping client");
  server.Close();
}
```