```
using System;
using System.Net;
using System.Net.Sockets;
using System.Text;
class BinaryUdpSrvr
 public static void Main()
  byte[] data = new byte[1024];
  IPEndPoint ipep = new IPEndPoint(IPAddress.Any, 9050);
  UdpClient newsock = new UdpClient(ipep);
  Console.WriteLine("Waiting for a client...");
   IPEndPoint sender = new IPEndPoint(IPAddress.Any, 0);
   data = newsock.Receive(ref sender);
   Console.WriteLine("Message received from {0}:", sender.ToString());
   Console.WriteLine(Encoding.ASCII.GetString(data, 0, data.Length));
   string welcome = "Welcome to my test server";
   data = Encoding.ASCII.GetBytes(welcome);
   newsock.Send(data, data.Length, sender);
  byte[] data1 = newsock.Receive(ref sender);
   int test1 = BitConverter.ToInt32(data1, 0);
  Console.WriteLine("test1 = {0}", test1);
  byte[] data2 = newsock.Receive(ref sender);
   double test2 = BitConverter.ToDouble(data2, 0);
   Console.WriteLine("test2 = {0}", test2);
  byte[] data3 = newsock.Receive(ref sender);
   int test3 = BitConverter.ToInt32(data3, 0);
  Console.WriteLine("test3 = {0}", test3);
  byte[] data4 = newsock.Receive(ref sender);
  bool test4 = BitConverter.ToBoolean(data4, 0);
   Console.WriteLine("test4 = {0}", test4.ToString());
  byte[] data5 = newsock.Receive(ref sender);
   string test5 = Encoding.ASCII.GetString(data5);
  Console.WriteLine("test5 = {0}", test5);
  newsock.Close();
}
```

```
using System;
using System.Net;
using System.Net.Sockets;
using System.Text;
class BinaryUdpClient
{
  public static void Main()
  {
   byte[] data = new byte[1024];
   string stringData;
   UdpClient server = new UdpClient("127.0.0.1", 9050);
   IPEndPoint sender = new IPEndPoint(IPAddress.Any, 0);
```

```
string welcome = "Hello, are you there?";
  data = Encoding.ASCII.GetBytes(welcome);
  server.Send(data, data.Length);
  data = new byte[1024];
  data = server.Receive(ref sender);
  Console.WriteLine("Message received from {0}:", sender.ToString());
  stringData = Encoding.ASCII.GetString(data, 0, data.Length);
  Console.WriteLine(stringData);
  int test1 = 45;
  double test2 = 3.14159;
  int test3 = -1234567890;
  bool test4 = false;
  string test5 = "This is a test.";
  byte[] data1 = BitConverter.GetBytes(test1);
  server.Send(data1, data1.Length);
  byte[] data2 = BitConverter.GetBytes(test2);
  server.Send(data2, data2.Length);
  byte[] data3 = BitConverter.GetBytes(test3);
  server.Send(data3, data3.Length);
  byte[] data4 = BitConverter.GetBytes(test4);
  server.Send(data4, data4.Length);
  byte[] data5 = Encoding.ASCII.GetBytes(test5);
  server.Send(data5, data5.Length);
  Console.WriteLine("Stopping client");
  server.Close();
}
```

```
using System;
using System.Net;
using System.Text;
class BinaryDataTest
 public static void Main()
  int test1 = 45;
  double test2 = 3.14159;
   int test3 = -1234567890;
  bool test4 = false;
  byte[] data = new byte[1024];
  string output;
  data = BitConverter.GetBytes(test1);
  output = BitConverter.ToString(data);
  Console.WriteLine("test1 = {0}, string = {1}", test1, output);
  data = BitConverter.GetBytes(test2);
   output = BitConverter.ToString(data);
  Console.WriteLine("test2 = {0}, string = {1}", test2, output);
   data = BitConverter.GetBytes(test3);
   output = BitConverter.ToString(data);
   Console.WriteLine("test3 = {0}, string = {1}", test3, output);
   data = BitConverter.GetBytes(test4);
   output = BitConverter.ToString(data);
```

```
Console.WriteLine("test4 = {0}, string = {1}", test4, output);
}
```