

```

1
2 import java.io.IOException;
3 import java.net.DatagramPacket;
4 import java.net.DatagramSocket;
5 import java.net.InetAddress;
6 import java.util.Scanner;
7
8 public class udpBaseClient
9 {
10     public static void main(String args[]) throws IOException
11     {
12         Scanner sc = new Scanner(System.in);
13
14         DatagramSocket ds = new DatagramSocket();
15
16         InetAddress ip = InetAddress.getLocalHost();
17
18         byte buf[] = null;
19
20         while (true)
21         {
22             String inp = sc.nextLine();
23
24             buf = inp.getBytes();
25
26             DatagramPacket DpSend = new DatagramPacket(buf, buf.length, ip, 1234);
27
28             ds.send(DpSend);
29
30             if (inp.equals("bye"))
31                 break;
32         }
33     }
34 }
35

```

```

1 import java.io.IOException;
2 import java.net.DatagramPacket;
3 import java.net.DatagramSocket;
4 import java.net.InetAddress;
5 import java.net.SocketException;
6
7 public class udpBaseServer
8 {
9     public static void main(String[] args) throws IOException
10     {
11         DatagramSocket ds = new DatagramSocket(1234);
12         byte[] receive = new byte[65535];
13
14         DatagramPacket DpReceive = null;
15         while (true)
16         {
17
18             DpReceive = new DatagramPacket(receive, receive.length);
19
20             ds.receive(DpReceive);
21
22             System.out.println("Client:-" + data(receive));
23
24             if (data(receive).toString().equals("bye"))
25             {
26                 System.out.println("Client sent bye....EXITING");
27                 break;
28             }
29
30             receive = new byte[65535];
31         }
32     }
33
34     public static String data(byte[] a)
35     {
36         if (a == null)
37             return null;
38         StringBuilder ret = new StringBuilder();
39

```

```
25     {
26         System.out.println("Client sent bye....EXITING");
27         break;
28     }
29
30     receive = new byte[65535];
31 }
32
33 public static StringBuilder data(byte[] a)
34 {
35     if (a == null)
36         return null;
37     StringBuilder ret = new StringBuilder();
38     int i = 0;
39     while (a[i] != 0)
40     {
41         ret.append((char) a[i]);
42         i++;
43     }
44     return ret;
45 }
46
47 }
48
```

```
Command Prompt - java udp_server
Microsoft Windows [Version 10.0.19042.1083]
(c) Microsoft Corporation. All rights reserved.

C:\Users\dell>cd Documents

C:\Users\dell\Documents>javac udp_server.java

C:\Users\dell\Documents>java udp_server
Server socket created. Waiting for incoming data...
```