

## Program 4

```
//UDP Server
import java.net.*;
import java.net.InetAddress;
class UDPServer
{
public static void main(String args[])throws Exception
{
DatagramSocket serverSocket = new DatagramSocket(9876);
byte[] receiveData=new byte[1024];
byte[] sendData=new byte[1024];
while(true)
{
System.out.println("Server is Up");
DatagramPacket receivePacket=new DatagramPacket(receiveData,receiveData.length);
serverSocket.receive(receivePacket);
String sentence=new String(receivePacket.getData());
System.out.println("RECEIVED:"+sentence);
InetAddress IPAddress=receivePacket.getAddress();
int port=receivePacket.getPort();
String capitalizedSentence=sentence.toUpperCase();
sendData=capitalizedSentence.getBytes();
DatagramPacket sendPacket=new
DatagramPacket(sendData,sendData.length,IPAddress,port);
serverSocket.send(sendPacket);
}
}
}
```