

CLIENTE

```
import java.io.* ;
import java.net.* ;

public class EchoClient {

    public static void main(String[] args ) throws Exception {

        if( args.length != 2 ) {
            System.out.printf("usage: java EchoClient maquina_do_servidor porto\n") ;
            System.exit(0);
        }

        String servidor = args[0] ;
        int port = Integer.parseInt( args[1] ) ;
        InetAddress serverAddress = InetAddress.getByName( servidor ) ;

        DatagramSocket socket = new DatagramSocket() ;

        String request = readLineFromConsole() ;
        byte[] requestData = request.getBytes() ;

        DatagramPacket echoRequest = new DatagramPacket( requestData, requestData.length ) ;
        echoRequest.setAddress( serverAddress ) ;
        echoRequest.setPort( port ) ;

        for( int i = 1; i <= 3; i++ ) {
            socket.send( echoRequest ) ;

            byte[] buffer = new byte[65536] ;
            DatagramPacket echoReply = new DatagramPacket( buffer, buffer.length ) ;

            socket.setSoTimeout( 5000);
            try {
                socket.receive( echoReply ) ;
                String echoedMsg = new String( echoReply.getData(), 0, echoReply.getLength() ) ;
                System.out.printf("A resposta foi: \"%s\"\n", echoedMsg ) ;
            } catch( SocketTimeoutException e ) {
                if( i < 3)
                    System.out.println( "A enviar novamente...");
            }
        }
    }

    public static String readLineFromConsole() throws IOException {
        return new java.util.Scanner( System.in).nextLine() ;
    }
}
```