

```
import java.io.IOException;
import java.net.DatagramPacket;
import java.net.DatagramSocket;
import java.net.InetAddress;
import java.net.SocketException;

public class Rfc865UdpServer {
    @SuppressWarnings("resource")
    public static void main(String[] argv) {
        // 1. Open UDP Socket at well-known port
        System.out.println("Server Running..!");
        DatagramSocket socket = null;
        byte[] buffer = new byte[512];

        try {
            // socket = new DatagramSocket();
            socket = new DatagramSocket(17); // only listening on port 17
        } catch (SocketException e) {}

        while (true) {
            try {
                // 2. Listen for UDP Request from Client
                DatagramPacket request = new DatagramPacket(buffer, buffer.length);
                socket.receive(request);
                String received = new String(request.getData(), 0,
request.getLength());
                System.out.println(received);
                InetAddress address = request.getAddress();
                int port = request.getPort();

                // 3. Send UDP Reply back to Client
                String replyMessage = new String("Server: Received your message");
                buffer = replyMessage.getBytes();
                DatagramPacket reply = new DatagramPacket(buffer, buffer.length,
address, port);
                socket.send(reply);

            } catch (IOException e) {}
        }
    }
}
```