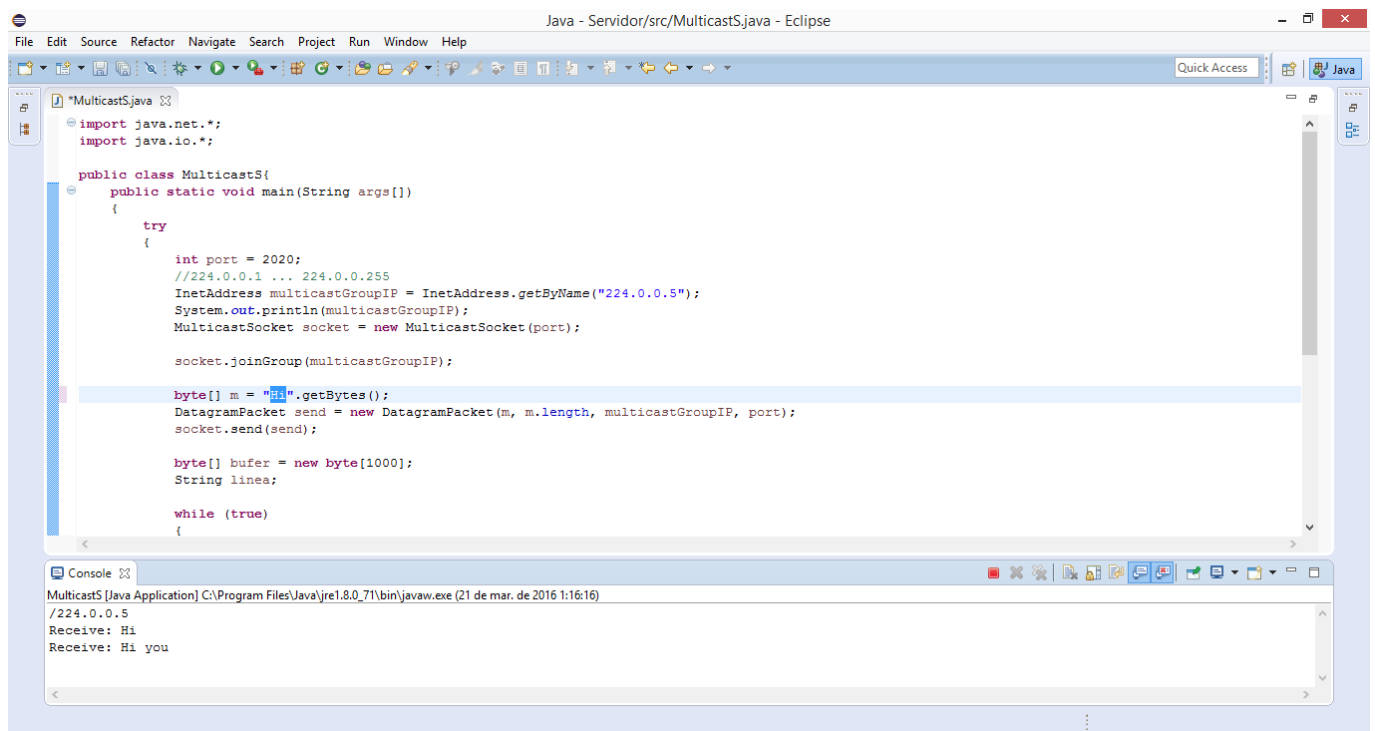


MulticastSocket (Datagram Socket UDP)

[crayon-6a9d574920d9c257708256/]

Capture 1



The screenshot shows the Eclipse IDE with a Java project named 'Servidor'. The file 'MulticastS.java' is open in the editor. The code defines a 'MulticastS' class with a 'main' method. The method sets a port to 2020, gets the multicast group IP '224.0.0.5', prints it, creates a 'MulticastSocket' object, joins the group, sends a datagram packet with the message 'Hi', and then enters a loop to receive messages. The console output shows the program running successfully, printing the IP address and receiving two messages: 'Hi' and 'Hi you'.

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

public class MulticastS{
    public static void main(String args[])
    {
        try
        {
            int port = 2020;
            //224.0.0.1 ... 224.0.0.255
            InetAddress multicastGroupIP = InetAddress.getByName("224.0.0.5");
            System.out.println(multicastGroupIP);
            MulticastSocket socket = new MulticastSocket(port);

            socket.joinGroup(multicastGroupIP);

            byte[] m = "Hi".getBytes();
            DatagramPacket send = new DatagramPacket(m, m.length, multicastGroupIP, port);
            socket.send(send);

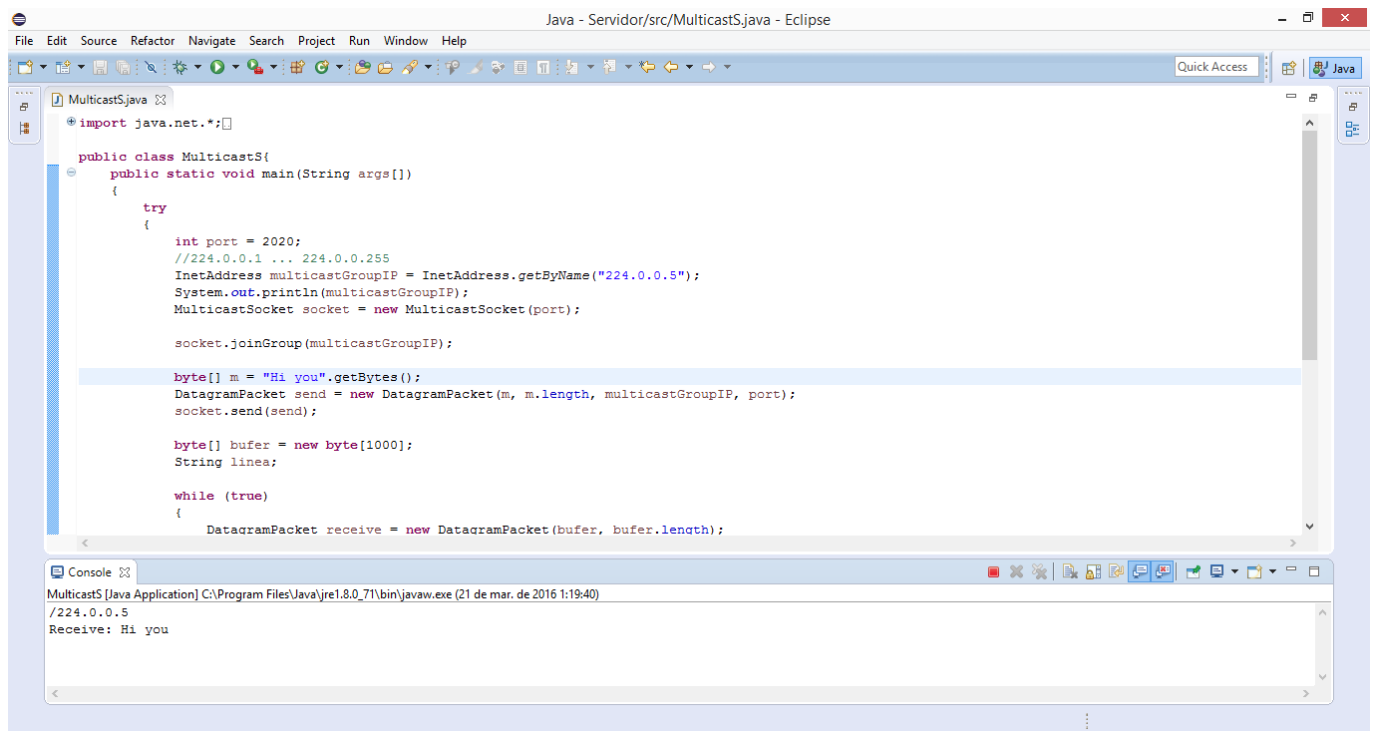
            byte[] bufer = new byte[1000];
            String linea;

            while (true)
            {
```

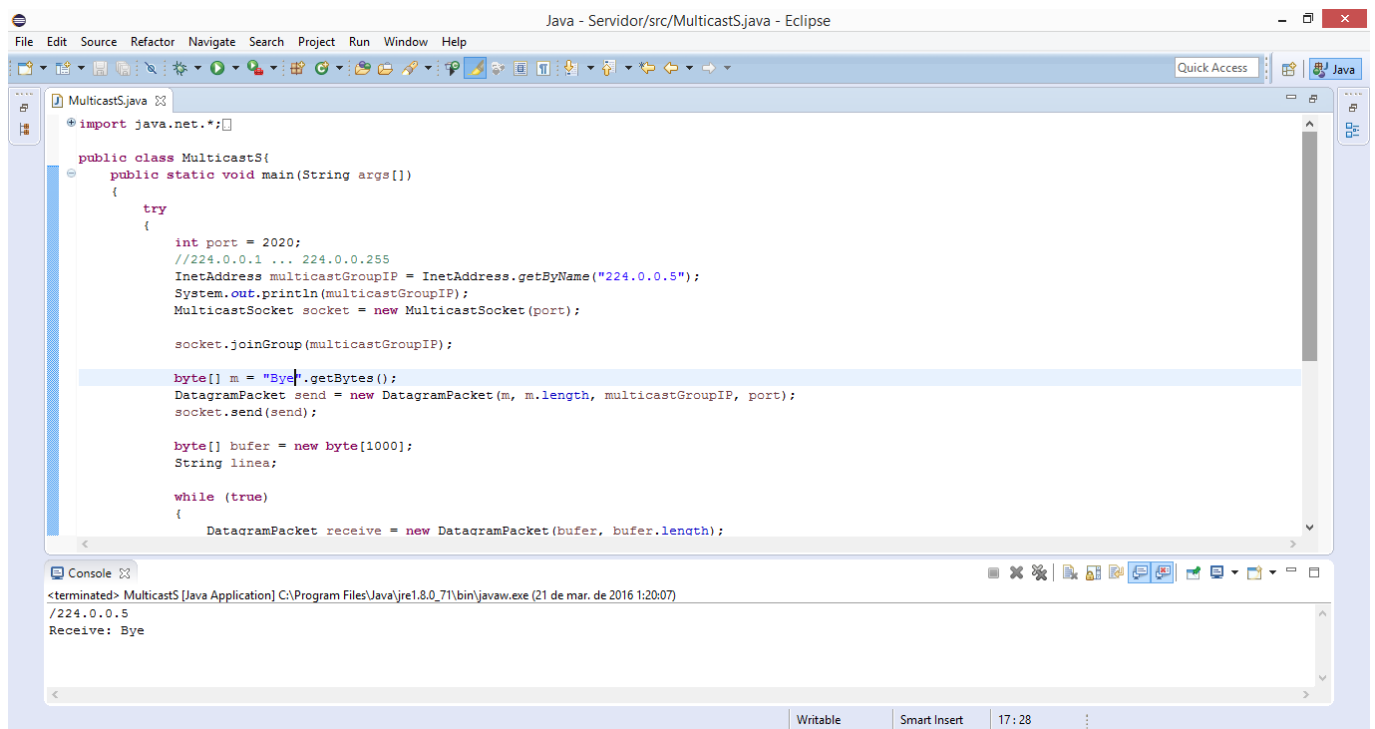
Console Output:

```
MulticastS [Java Application] C:\Program Files\Java\jre1.8.0_71\bin\javaw.exe (21 de mar. de 2016 1:16:16)
/224.0.0.5
Receive: Hi
Receive: Hi you
```

Capture 2



Capture 3



Capture 4

