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## ASSIGNMENT 5: Multicast between 2 computers (Sender & Receiver)

## Sender.java

package Assignment5\_11500119052;

import java.util.\*;

import java.net.\*;

class Sender {

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

        Scanner sc = new Scanner(System.in);

        DatagramSocket ds = new DatagramSocket();

        InetAddress ip = InetAddress.getByName("225.0.0.4");

        MulticastSocket ms = new MulticastSocket(4002);

        System.out.println("Enter your cast message: ");

        String msg = sc.nextLine();

        DatagramPacket dp = new DatagramPacket(msg.getBytes(), msg.length(), ip, 4002);

        ds.send(dp);

        sc.close();

        ms.close();

        ds.close();

    }

}

## Output:

## Sender.PNG

## Receiver.java

package Assignment5\_11500119052;

import java.net.\*;

class Receiver {

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

        InetAddress mcastaddr = InetAddress.getByName("225.0.0.4");

        NetworkInterface netIf = NetworkInterface.getByName("bge0");

        MulticastSocket ms = new MulticastSocket(4002);

        ms.joinGroup(new InetSocketAddress(mcastaddr, 0), netIf);

        byte[] b = new byte[1200];

        DatagramPacket dp = new DatagramPacket(b, b.length);

        ms.receive(dp);

        String str = new String(dp.getData());

        System.out.println("Cast message: " + str);

        ms.close();

    }

}

## Output:

## Receiver.PNG

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