Practical 3

B]

Code:

Server.java

import java.io.\*;

import java.net.\*;

public class server

{

public static void main(String args[])

{

try

{

DatagramSocket ds = new DatagramSocket(2000);

byte b[] = new byte[1024];

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

ds.receive(dp);

String str = new String(dp.getData(), 0, dp.getLength());

System.out.println(str);

int a = Integer.parseInt(str);

String s = new String();

if (a % 2 == 0)

s = "Number is even";

else

s = "Number is odd";

byte b1[] = new byte[1024];

b1 = s.getBytes();

DatagramPacket dp1 = new DatagramPacket(b1, b1.length, InetAddress.getLocalHost(), 1000);

ds.send(dp1);

}

catch(Exception e)

{

e.printStackTrace();

}

}

}

Client.java

import java.io.\*;

import java.net.\*;

public class client

{

public static void main(String args[])

{

try

{

DatagramSocket ds = new DatagramSocket(1000);

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

System.out.println("Enter a number : ");

String num = br.readLine();

byte b[] = new byte[1024];

b = num.getBytes();

DatagramPacket dp = new DatagramPacket(b, b.length, InetAddress.getLocalHost(), 2000);

ds.send(dp);

byte b1[] = new byte[1024];

DatagramPacket dp1 = new DatagramPacket(b1, b1.length);

ds.receive(dp1);

String str = new String(dp1.getData(), 0, dp1.getLength());

System.out.println(str);

}

catch(Exception e)

{

e.printStackTrace();

}

}

}

Output:



