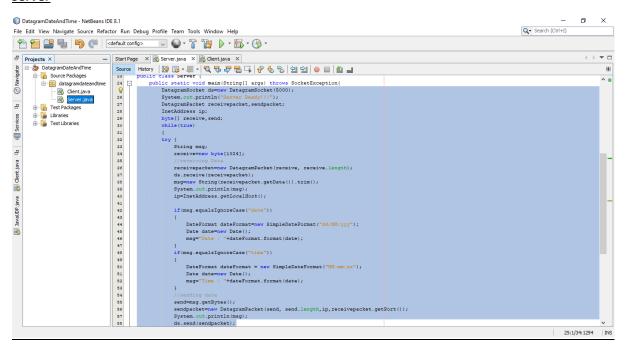
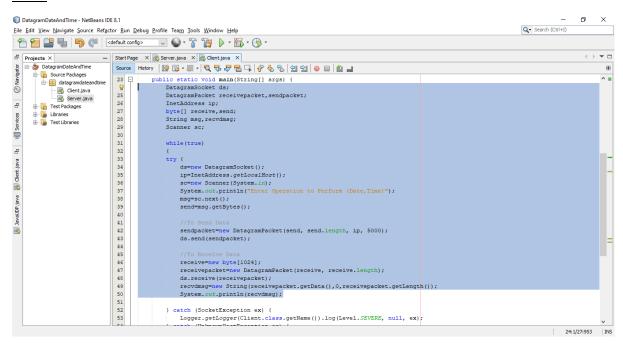
### **Datagram**

Implement a Date Time Server containing date() and time() with datagram

#### Server

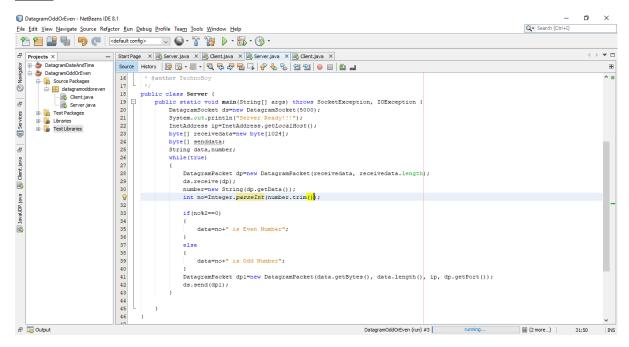


#### Client

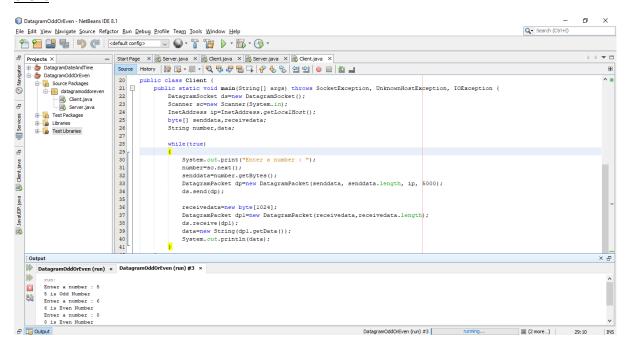


Implement a Server to find whether an entered number is odd or even using Datagram socket

#### Server

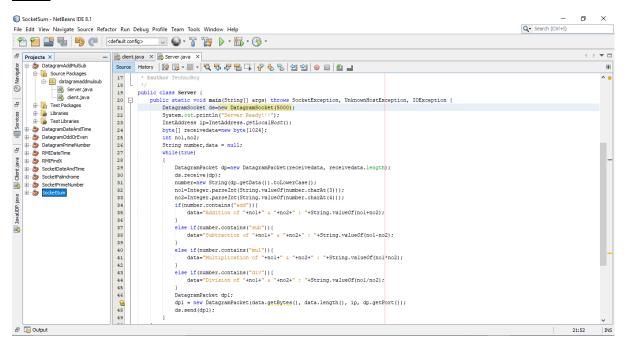


#### Client



# Implement a Server calculator containing ADD(),MUL(),SUB() with datagram

## <u>Server</u>



## **Client**

```
DatagramAddMulSub - NetBeans IDE 8.1
                                                                                                                                                                                                                           Q • Search (Ctrl+I)
<u>Eile Edit View Navigate Source Refactor Run Debug Profile Team Tools Window H</u>elp
 Projects ×
DatagramAddMulSub
                                        public class client {

20 public class client {

public static void

22 DatagramSocket

Scanner sc-nev

LinetAdd-

25 bv.
                                 — ∰ client.java × ∰ Server.java ×
                                                                                                                                                                                                                                                             ▼ □
                                            datagramaddmulsub
       datagramaddmulsu

Server.java

dient.java

Test Packages

Libraries

Test Libraries
(S)
                                                          public static void main(String[] args) throws SocketException, UnknownHostException, IOException {
    DatagramSocket ds=new DatagramSocket();
    Scanner = ds=new Scanner(System.in);
    InetAddress ip=InetAddress.getLocalHost();
                                                                  byte[] senddata, receivedata;
      - 🃗 DatagramDateAndTime
                                                                 String number1, number2, op, send, data;
      - 🌦 DatagramOddOrEven
      - 🍃 DatagramPrimeNumber

    DatagramPrimeNumb
    MIDateTime
    MIFindX
    SocketDateAndTime
    SocketPalndrome
    SocketPrimeNumber
    SocketSum
                                                                 while(true)
                                                                     System.out.print("Enter operation to Perform(add, sub, mul. div)");

op=sc.next();

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

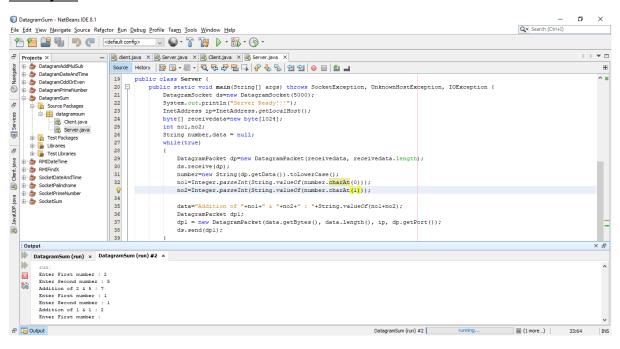
numberl=sc.next();

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

number2=sc.next();
                                                                        send=op+number1+number2;
                                                                        send=op+number1+number2;
senddata=send.getBytes();
DatagramPacket dp=new DatagramPacket(send.getBytes(), senddata.length, ip, 5000);
ds.send(dp);
                                                                        DatagramPacket dpl=new DatagramPacket(receivedata,receivedata.length);
                                                                        ds.receive(dpl);
                                                                        data=new String(dpl.getData());
                                                                        System.out.println(data);
```

Implement a Server which calculates sum of two numbers using Datagram socket

### Server.java



## Client.java

```
— □ □ Q Search (Ctrl+I)
DatagramSum - NetBeans IDE 8.1
 File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
  The second secon
                                                                                      — Server.java × Server.java × Client.java × Server.java ×
          DatagramAddMulSub
DatagramDateAndTime
DatagramOddOrEven
DatagramPrimeNumber
DatagramSum
DatagramSum
datagramsum
                                                                                                              ource History | 🔯 🔯 + 👼 + 💆 🔁 🐉 😂 🚭 😂 😂 😅 🚅 🚅
                                                                                                        19 by public class Client {
21 public static void
22 DatagramSocket
23 Scanner sc=new
 <u>©</u>
                                                                                                                                    public static void main(String[] args) throws
   DatagramSocket ds=new DatagramSocket();
   Scanner sc=new Scanner(System.in);
                                                                                                                                                                                                                                                                                                     ows SocketException, UnknownHostException, IOException {
                         datagramsum
             datagramsum

Glient, java

Glient, java

Graver, java

Test Packoges

Graver, java

Frest Libraries

RMIDateTime

RMIFindX

SocketPalandrome

SocketPalandrome
                                                                                                                                                             InetAddress ip=InetAddress.getLocalHost();
                                                                                                                             byte[] senddata,receivedata;
String number1,number2,send,data;
                                                                                                          25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
 java
                                                                                                                                                                          System.out.print("Enter First number : ");
numberl=sc.next();
 Client.
                                                                                                                                                                           System.out.print("Enter Second number : ");
                                                                                                                                                                           number2=sc.next();
              SocketPrimeNumber
SocketSum
 java
                                                                                                                                                                            send=number1+number2;
                                                                                                                                                                           send-induser: Hinduser;
sendata-send.getBytes();
DatagramPacket dp=new DatagramPacket(send.getBytes(), senddata.length, ip, 5000);
ds.send(dp);
                                                                                                                                                                            receivedata=new byte[1024];
                                                                                                                                                                           DatagramPacket dpl=new DatagramPacket(receivedata,receivedata.length);
                                                                                                                                                                           ds.receive(dpl);
                                                                                                                                                                             data=new String(dpl.getData());
```