

```
1 package exe3;
2
3
4 import java.io.IOException;
5 import java.io.InputStream;
6 import java.io.ObjectInputStream;
7 import java.io.PrintWriter;
8 import java.net.Socket;
9 import java.util.logging.Level;
10 import java.util.logging.Logger;
11
12
13 public class ClientProcess extends Thread {
14
15
16     Socket s ;
17     int n ;
18     public ClientProcess(Socket s,int n){
19         super();
20         this.s = s;
21         this.n = n;
22     }
23
24
25     @Override
26     public void run(){
27         System.out.println("Bonjour ke client numero "+n+": ");
28         try{
29             System.out.println("j'attends une operation de de client");
30             InputStream is = s.getInputStream();
31             ObjectInputStream ois = new ObjectInputStream(is);
32             System.out.println("l'objet a ete envoyer !");
33
34
35
36             Operateur op = (Operateur) ois.readObject();
37
38             Double x = op.getx();
39             Double y = op.gety();
40             String operation = op.getop();
41
42
43             double res = 0.0;
44             if(null == operation){
45                 System.out.println("il ya un probleme au niveau de le
46 operateur ");
47             }else switch (operation) {
48                 case "+":
49                     res = x+y ;
50                     break;
51                 case "-":
52                     res = x-y ;
53                     break;
54                 case "*":
55                     res = x*y ;
56                     break;
57                 case "/":
58                     res = x/y ;
59                     break;
```

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59         default:
60             System.out.println("il ya un probleme au niveau de le
operateur ");
61
62             break;
63         }
64
65         System.out.println("operation effectué avec succes !");
66
67         PrintWriter pw = new PrintWriter(s.getOutputStream());
68         pw.println("le resultat est :"+res);
69         pw.flush();
70         System.out.println("resultat et  envoy   ! ");
71
72
73
74         s.close();
75     }catch(IOException e){
76         System.out.println("<!> il ya un probleme <!>");
77     } catch (ClassNotFoundException ex) {
78         Logger.getLogger(ClientProcess.class.getName()).log(Level.SEVERE,
null, ex);
79     }
80 }
81
82
83 }
```