Exporment. No:

Dode:

2. Study of socket programming and client - somer model.

APm: To Implement client-sorver model using socket programm Algorathm:

1. create a client socret & connect 9t to the socious port client: 2. Actrieur Its own IP address using builtin function

g. sond 9ts address to the soruer.

4. Other transmitted.

5. close the streams and sockets 6. Stop.

sonder:

import Java. not. *; import Java. 10. 4; public class client? private Socket SKt = null; DataInputStream input = null; Data DutputStream out = null; public ction+(string address, int port); trys slot = new Sockot (address, port); System.out.println("connected"); Proput = now DataInputStream(System. Ph); out = now parallelput. Iream(skt. getOutputStream()); 3 catch (Exception e) 23 string eine = ""; while (! line oquals ("over")? 3 pre line = Input. readline(); out. write()TF(13m); 3 catch (Exception e) {}

```
finally ?
       Proput. clase(); out. clase(); SKE. clase();
 public static void main (String ar I) ?
         client c = new client ("127.0.0.1", 5000);
    3
   3
Receiver
import gava. not. *;
                                   watering in a dicition
Import Java. 90. *;
                                               bet price trail
 public class Sources &
                       this is the message from crient
     Socket skt = null;
                                          E FOLTO? 240 (300)
     Somersboket ss = null;
     DataInputStream in = null;
     public Somer (Int port)?
       try?
          55 = new Someonsochet (port);
          System.out. println("source started in waiting for client...).
           SKt = 55. accept();
           System.out. Printin ("client accepted");
          in = now Data Input Stream (now Buffered Input Gream (
                                          SKt.getinputStream());
           string line = "";
            where (! line. equals ("Ovor")) {
                 try?
                     erne = 9n. seado TF(); system.out.printin/line);
                3 catch (Excaption @) {3
               3 pullen ?
```

client output:

connected

This is the massage from client

Goodbye Server

source output:

Server Started

waiting for a client...

Client accepted

This is the message from client

Goodbye Server

Supermout printing "source started in waiting for dient

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3 K"mora" reduces and postur

13 recommended to margin in the commended to the contract of t

3
3 Catch (Exception e) 83
public static void main (String and 8
Somer s = now Somer (5000);
3
3

Result: These the study of Socket programming and implement -atton of client-server model was done successfully.