Practical Nois-1 Aim's- Create, debug and execute programs based on Socket and server socket. The javanet package in java platform provides a class socket which is used to implement tone side of a two -way communication connection between your java program. I has slows The socket class sits on top of a platform, dependent implementation, hiding the details of any particular system from your java progreem. Additionaly, javainet includes then server socket alass wised into implement a seclect that services can use to listen For and accept connections to clients Programs :- 15 Stesmant to solo 1/4

```
(in client java > 4 client > (in main(String())
      import java.net. *:
      import java io.";
      public class client [
  4
          Run | Debug
          public static void main(String[] args) throws IOException {
               Socket s = new Socket("localhost", 4999);
  6
              DataInputStream din = new DataInputStream(s.getInputStream());
  8
              DataOutputStream dout = new DataOutputStream(s.getOutputStream());
  9
 10
              BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
 11
 12
 13
              System.out.println("Server is Connected");
 14
               String str="", str1="";
 15
              while(!str.equals("stop")){
 16
                   str=br.readLine();
 17
                   dout.writeUTF(str);
 18
                   dout.flush();
 19
                   str1=din.readUTF();
 28
                   System.out.println("Server: "+ str1);
 21
 22
               dout.close();
 23
               s.close():
 24
 25
 26
```

```
server.java > ts server > to main(String())
  5 public class server {
          Run | Debug
          public static void main(String[] args) throws IOException {
  6
              ServerSocket ss = new ServerSocket(4999);
  8
              Socket s = ss.accept();
  9
 10
              DataInputStream din = new DataInputStream(s.getInputStream());
              DataOutputStream dout = new DataOutputStream(s.getOutputStream());
 11
 12
              BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
 13
 14
              System.out.println("Client is Connected");
      8
 15
 16
              String str = "", strl = "";
 17
              while (!str.equals("stop")) {
 18
 19
                  str = din.readUTF();
                  System.out.println("Client: " + str);
 20
                  str1 = br.readLine();
 21
                  dout.writeUTF(str1);
 22
                  dout.flush();
 23
 24
 25
              din.close();
              s.close();
 26
 27
              ss.close();
 28
 29
```

```
Socket s = new Socket("localhos"
                                                                                                DataInnutStnoom_din = now_DataInnutStnoom(c_gotInnutStnoom()).
PROBLEMS (1) OUTPUT DEBUG CONSOLE TERMINAL
F:\BHT-TK-001\VIth Sem\IT501E - Advanced Java\Practicals\Practical No.1>javac client.java
                                                                                                    F:\BHT-TK-001\VIth Sem\IT501E - Advanced Java\Practicals\Practical No.1>javac server.java
F:\BHT-TK-001\VIth Sem\IT501E - Advanced Java\Practicals\Practical No.1>java client
                                                                                                    F:\BHT-TK-001\VIth Sem\IT501E - Advanced Java\Practicals\Practical No.1>java server
Server is Connected
                                                                                                    Client is Connected
                                                                                                    Client: Hiiie
Server: Hellow
                                                                                                    Hellow
How are You Doing?
                                                                                                    Client: How are You Doing?
Server: HOw I'm fine!, what about you?
                                                                                                    HOw I'm fine!, what about you?
                                                                                                    Client: I am also fine, It's really good to see you here again
I am also fine, It's really good to see you here again
Server: Yeahh!!, It's really good be back here again ??
                                                                                                    Yeahh!!, It's really good be back here again 🖚
```