

Practical No. 2

Aim :- Create, debug and execute program
based on TCP client semen communication

Themy i

To examine a sacket at anytime for addenses and post information by using following methods.

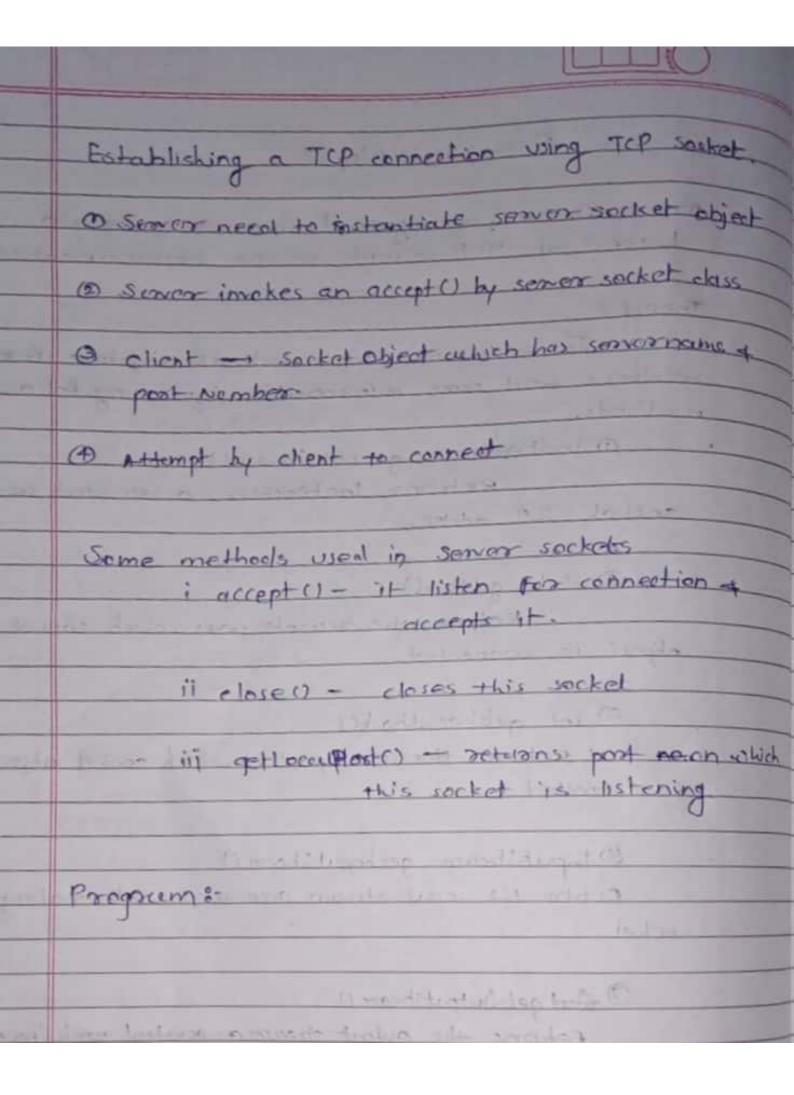
Returns Inetackless associated with

Retend the semate post coluct socket object is connected.

a petrons the local post to which socket object is connected

Return the input stream associated with invaling

Sacket:



```
client.java 1 ×
client.java > \( \frac{1}{2} \) client > \( \frac{1}{2} \) main(String[])
       import java.net.*;
       import java io *;
   3
       public class client {
            Run | Debug
   5
            public static void main(String[] args) throws IOException {
                Socket s = new Socket("localhost", 4999);
   6
   7
                PrintWriter pr = new PrintWriter(s.getOutputStream());
   8
                pr.println("Is it working?");
   9
                pr.flush();
  10
  11
                InputStreamReader in = new InputStreamReader(s.getInputStream());
  12
  13
                BufferedReader bf = new BufferedReader(in);
  14
                String str = bf.readLine();
  15
                System.out.println("Server:"+str);
  16
  17
  18
```

```
server.java 1 X
server.java > \( \frac{1}{12} \) server > \( \frac{1}{12} \) main(String[])
       import java.net.*;
      import java.io.*;
       public class server {
           Run | Debug
           public static void main(String[] args) throws IOException {
   5
   6
                ServerSocket ss = new ServerSocket(4999);
                Socket s = ss.accept();
   8
   9
                System.out.println("Client is Connected");
  10
                InputStreamReader in = new InputStreamReader(s.getInputStream());
  11
  12
                BufferedReader bf = new BufferedReader(in);
  13
                String str = bf.readLine();
  14
                System.out.println("Client:"+str);
  15
  16
                PrintWriter pr = new PrintWriter(s.getOutputStream());
  17
                pr.println("Yess!");
  18
                pr.flush();
  19
  20
  21
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL

Microsoft Windows [Version 10.0.19842.985]
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F:\BHT-TK-001\VIth Sem\IT501E - Advanced Java\Practicals\Practical No.2>java client.java

F:\BHT-TK-001\VIth Sem\IT501E - Advanced Java\Practicals\Practical No.2>java client
Server:Yess!

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Microsoft Windows [Version 10.0.19042.985]
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F:\BHT-TK-001\VIth Sem\IT501E - Advanced Java\Practicals\Practical No.2>javac server.java

F:\BHT-TK-001\VIth Sem\IT501E - Advanced Java\Practicals\Practical No.2>java server

Client is Connected

Client:Is it working?

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