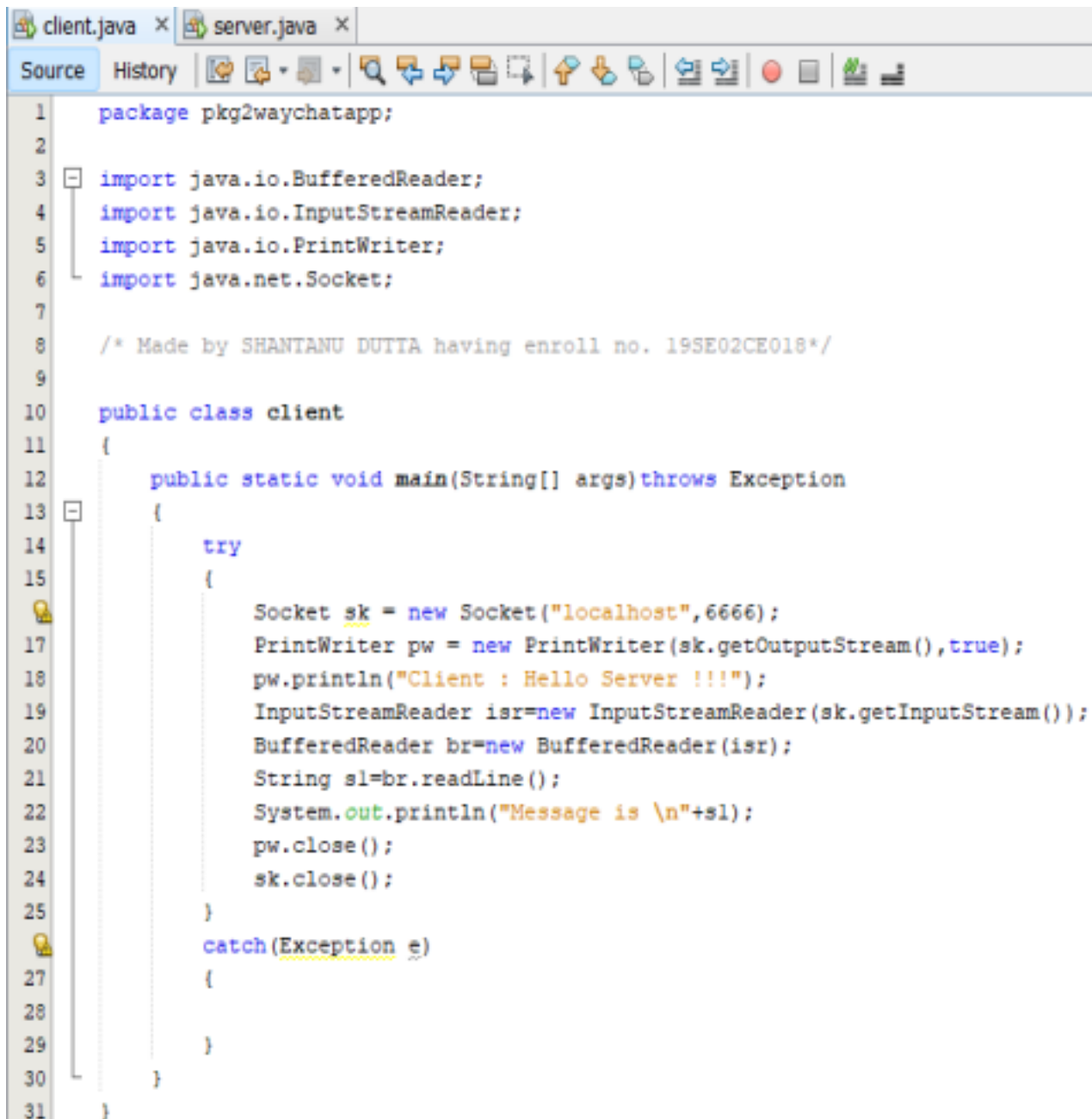


Practical - 2

AIM : IMPLEMENTATION OF TWO WAY CHAT APPLICATION USING SOCKET PROGRAMMING

CODE :-(CLIENT.JAVA)



```
1  package pkg2waychatapp;
2
3  import java.io.BufferedReader;
4  import java.io.InputStreamReader;
5  import java.io.PrintWriter;
6  import java.net.Socket;
7
8  /* Made by SHANTANU DUTTA having enroll no. 19SE02CE018*/
9
10 public class client
11 {
12     public static void main(String[] args)throws Exception
13     {
14         try
15         {
16             Socket sk = new Socket("localhost",6666);
17             PrintWriter pw = new PrintWriter(sk.getOutputStream(),true);
18             pw.println("Client : Hello Server !!!");
19             InputStreamReader isr=new InputStreamReader(sk.getInputStream());
20             BufferedReader br=new BufferedReader(isr);
21             String sl=br.readLine();
22             System.out.println("Message is \n"+sl);
23             pw.close();
24             sk.close();
25         }
26         catch(Exception e)
27         {
28
29         }
30     }
31 }
```

CODE : (SERVER.JAVA)

```

client.java x server.java x
Source History
1 package pkg2waychatapp;
2
3 import java.io.BufferedReader;
4 import java.io.InputStreamReader;
5 import java.io.PrintWriter;
6 import java.net.ServerSocket;
7 import java.net.Socket;
8
9 /* Made by SHANTANU DUTTA having enroll no. 19SE02CE018*/
10
11 public class server
12 {
13     public static void main(String[] args) throws Exception
14     {
15         try
16         {
17             ServerSocket ss = new ServerSocket(6666);
18             System.out.println("Server is waiting for client...!!!");
19             Socket sk = ss.accept();
20             System.out.println("Connection Established");
21             InputStreamReader isr = new InputStreamReader(sk.getInputStream());
22             BufferedReader br = new BufferedReader(isr);
23             String s = br.readLine();
24             System.out.println("Message is \n"+s);
25             PrintWriter pw = new PrintWriter(sk.getOutputStream(), true);
26             pw.println("Server : Hello Client!!I am good...");
27             pw.close();
28         }
29         catch (Exception e)
30         {
31
32         }
33     }
34 }

```

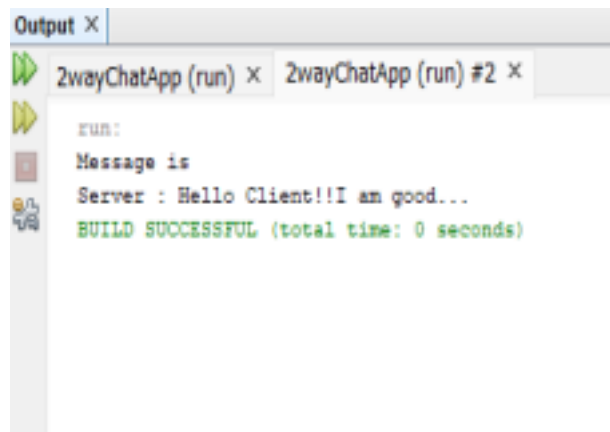
OUTPUT :

```

Output x
2wayChatApp (run) x 2wayChatApp (run) #2 x
RUN:
Server is waiting for client...!!!
Connection Established
Message is
Client : Hello Server !!!
BUILD SUCCESSFUL (total time: 5 seconds)

```

Server.java



```
Output X
2wayChatApp (run) X 2wayChatApp (run) #2 X
RUN:
Message is
Server : Hello Client!!!I am good...
BUILD SUCCESSFUL (total time: 0 seconds)
```

Client.java