

Code:-**Server Side:-**

```
import java.io.*;
import java.net.*;
public class SocketServer{
    public static void main(String[] args){
        try{
            ServerSocket ss=new ServerSocket(5555);
            Socket s=ss.accept();
            DataInputStream dis=new DataInputStream(s.getInputStream());
            String str=(String)dis.readUTF();
            System.out.println("message= "+str);
            DataOutputStream dout=new DataOutputStream(s.getOutputStream());
            dout.writeUTF("This is server");
            dout.flush();
            dout.close();
            ss.close();
        }
        catch(Exception e){System.out.println(e);}
    }
}
```

Client Side:-

```
import java.io.*;
import java.net.*;
public class SocketClient {
    public static void main(String[] args) {
        try{

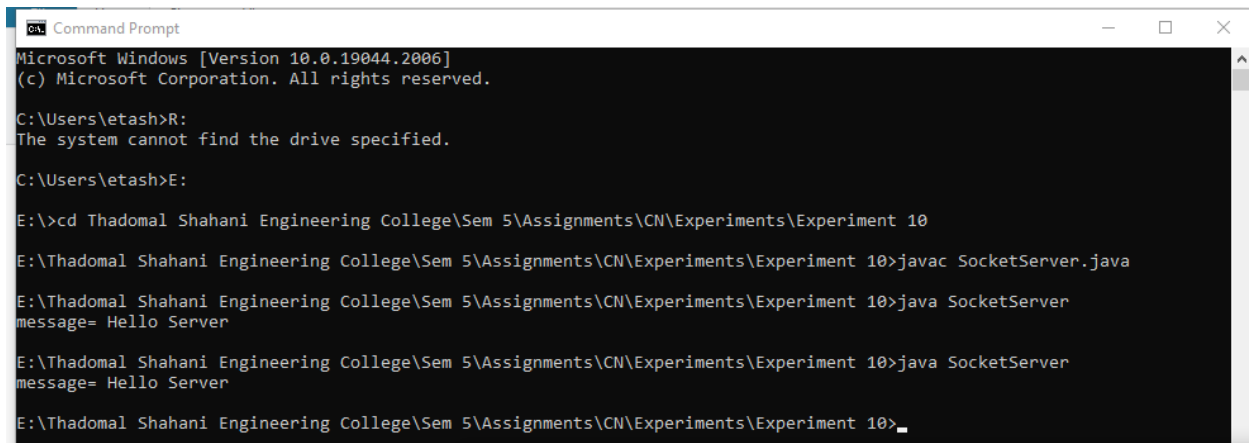
            Socket s=new Socket("localhost", 5555);
            DataOutputStream dout=new DataOutputStream(s.getOutputStream());
            dout.writeUTF("Hello Server");
            // dout.flush();
            // dout.close();
            // s.close();
        }
    }
}
```

```

        DataInputStream dis=new DataInputStream(s.getInputStream());
        String str = (String)dis.readUTF();
        System.out.println("Received:"+str);
        s.close();
    }
    catch(Exception e){
        System.out.println(e);
    }
}
}

```

Output:-



```

Command Prompt
Microsoft Windows [Version 10.0.19044.2006]
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C:\Users\etash>R:
The system cannot find the drive specified.

C:\Users\etash>E:

E:\>cd Thadomal Shahani Engineering College\Sem 5\Assignments\CN\Experiments\Experiment 10

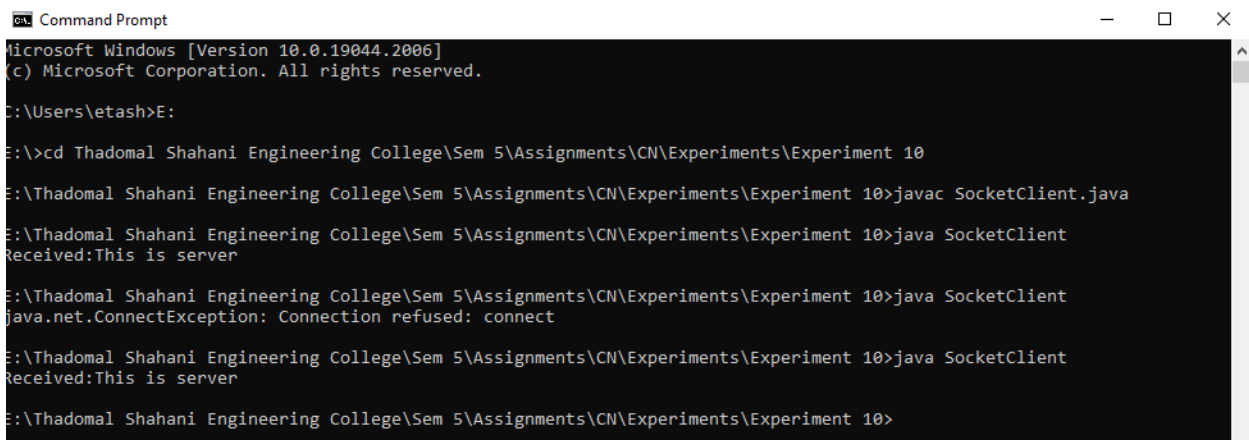
E:\Thadomal Shahani Engineering College\Sem 5\Assignments\CN\Experiments\Experiment 10>javac SocketServer.java

E:\Thadomal Shahani Engineering College\Sem 5\Assignments\CN\Experiments\Experiment 10>java SocketServer
message= Hello Server

E:\Thadomal Shahani Engineering College\Sem 5\Assignments\CN\Experiments\Experiment 10>java SocketServer
message= Hello Server

E:\Thadomal Shahani Engineering College\Sem 5\Assignments\CN\Experiments\Experiment 10>

```



```

Command Prompt
Microsoft Windows [Version 10.0.19044.2006]
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C:\Users\etash>E:

E:\>cd Thadomal Shahani Engineering College\Sem 5\Assignments\CN\Experiments\Experiment 10

E:\Thadomal Shahani Engineering College\Sem 5\Assignments\CN\Experiments\Experiment 10>javac SocketClient.java

E:\Thadomal Shahani Engineering College\Sem 5\Assignments\CN\Experiments\Experiment 10>java SocketClient
Received:This is server

E:\Thadomal Shahani Engineering College\Sem 5\Assignments\CN\Experiments\Experiment 10>java SocketClient
java.net.ConnectException: Connection refused: connect

E:\Thadomal Shahani Engineering College\Sem 5\Assignments\CN\Experiments\Experiment 10>java SocketClient
Received:This is server

E:\Thadomal Shahani Engineering College\Sem 5\Assignments\CN\Experiments\Experiment 10>

```