Ping Client :

```java
import java.io.*;

import java.net.*;

import java.util.Calendar;

@SuppressWarnings("deprecation")

class Ping_Client
{
    public static void main(String args[])throws Exception
    {
        String str;
        int c=0;
        long t1,t2;
        Socket s=new Socket("127.0.0.1",5555);
        DataInputStream dis=new DataInputStream(s.getInputStream());
        PrintStream out=new PrintStream(s.getOutputStream());
        while(c<4)
        {
            t1=System.currentTimeMillis();
            str="Welcome to network programming world";
            out.println(str);
            System.out.println(dis.readLine());
            t2=System.currentTimeMillis();
            System.out.println(";TTL="+(t2-t1)+"ms");
            c++;
        }
        s.close();
    }
}
```

Ping Server :

```java
import java.io.*;

import java.net.*;

import java.util.*;

import java.text.*;

@SuppressWarnings("deprecation")

class Ping_Server
{
    public static void main(String args[])throws Exception
    {
        ServerSocket ss=new ServerSocket(5555);

        Socket s=ss.accept();

        int c=0;

        while(c<4)
        {
            DataInputStream dis=new DataInputStream(s.getInputStream());

            PrintStream out=new PrintStream(s.getOutputStream());

            String str=dis.readLine();

            out.println("Reply from"+InetAddress.getLocalHost()+";Length"+str.length());

            c++;
        }
        s.close();
    }
}
```

```
Command Prompt    X    +    ˅                    —    ☐    ✕

C:\Users\poove\OneDrive\Desktop\NC_Output>java Ping_Client
Reply fromULTRON/192.168.56.1;Length36
;TTL=37ms
Reply fromULTRON/192.168.56.1;Length36
;TTL=1ms
Reply fromULTRON/192.168.56.1;Length36
;TTL=1ms
Reply fromULTRON/192.168.56.1;Length36
;TTL=2ms

C:\Users\poove\OneDrive\Desktop\NC_Output>
```

```
Command Prompt    X    +    ˅                    —    ☐    ✕

C:\Users\poove\OneDrive\Desktop\NC_Output>java Ping_Server

C:\Users\poove\OneDrive\Desktop\NC_Output>
```