

Program

DateServer.java

```
import java.net.*;
import java.io.*;
import java.util.*;

public class DateServer {
    public static void main(String[] args) throws Exception {

        DatagramSocket ss = new DatagramSocket(1234);
        System.out.println("Server socket created");
        while (true) {

            byte[] rd = new byte[100];
            byte[] sd = new byte[100];

            DatagramPacket rp = new DatagramPacket(rd, rd.length);
            ss.receive(rp);
            InetAddress ip = rp.getAddress();

            int port = rp.getPort();
            Date d = new Date();

            String time = d + "";
            sd = time.getBytes();
            DatagramPacket sp = new DatagramPacket(sd, sd.length, ip,
port);
            ss.send(sp);
            rp = null;

            System.out.println("Server time sent");
        }
    }
}
```

DateClient.java

```
import java.net.*;
import java.io.*;
import java.util.*;

public class DateClient {

    public static void main(String[] args) throws Exception {

        System.out.println("Client socket created");
        DatagramSocket cs = new DatagramSocket();
```

```

        InetAddress ip = InetAddress.getByName("localhost");

        byte[] rd = new byte[100];
        byte[] sd = new byte[100];

        DatagramPacket sp = new DatagramPacket(sd, sd.length, ip, 1234);
        DatagramPacket rp = new DatagramPacket(rd, rd.length);

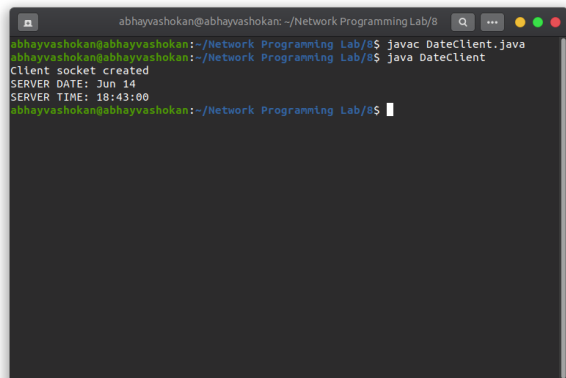
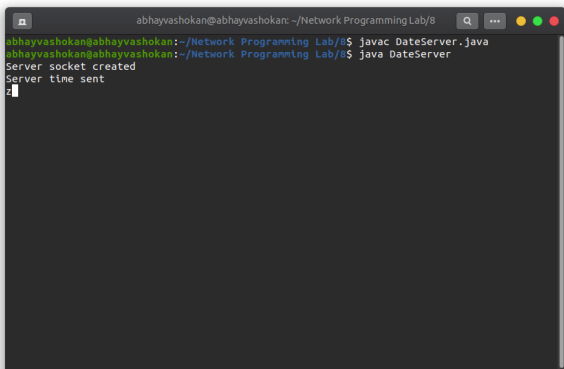
        cs.send(sp);
        cs.receive(rp);

        String time = new String(rp.getData());
        String time1 = time.substring(4, 10);
        String date = time.substring(11, 19);
        System.out.println("SERVER DATE: " + time1);
        System.out.println("SERVER TIME: " + date);
        cs.close();
    }
}

```

Output

Screenshots



Output

Server

```

Server socket created
Server time sent

```

Client

```

Client socket created
SERVER DATE: Jun 14
SERVER TIME: 18:43:00

```

ReadMe

1. Open first terminal

1. `javac DateServer.java`
2. `java DateServer`

2. Open second terminal

1. `javac DateClient.java`
2. `java DateClient -->`