

## **2. CREATION OF DATE AND TIME SERVER.**

### **SERVER PROGRAM**

```
import java.io.*;
import java.net.*;
import java.util.*;
class dateserver
{
public static void main(String args[])
{
ServerSocket ss;
Socket s;
PrintStream ps;
DataInputStream dis;
String inet;
try
{
ss=new ServerSocket(8020);
while(true)
{
s=ss.accept();
ps=new PrintStream(s.getOutputStream());
Date d=new Date();
ps.println(d);
ps.close();
}
}
catch(IOException e)
{
System.out.println("The exception is: "+e);
} } }
```

### **CLIENT PROGRAM**

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

```

        DataInputStream dis;
        String sdate;
        PrintStream ps;
        try
        {
            InetAddress ia=InetAddress.getLocalHost();
            soc=new Socket(ia,8020);
            dis=new DataInputStream(soc.getInputStream());
            sdate=dis.readLine();
            System.out.println("The data in the server is: "+sdate);
        }
        catch(IOException e)
        {
            System.out.println("The exception is: "+e);
        }
    }
}

```

## OUTPUT

### Server Side

```

Z:\network lab>java dateserver

```

### Client Side

```

Z:\network lab>javac dateclient.java
Note: dateclient.java uses or overrides a deprecated API.
Note: Recompile with -deprecation for details.
Z:\network lab>java dateclient
The data in the server is: Tue Mar 04 06:25:46 GMT 2014
Z:\network lab>

```