

## **DateServer:**

```
import java.net.*;
import java.io.*;
import java.time.LocalDateTime;
import java.time.format.DateTimeFormatter;
@SuppressWarnings("deprecation")
public class DateServer {
    public static void main(String[] args) throws IOException {
        ServerSocket ss = new ServerSocket(8020);
        Socket s = ss.accept();
        PrintStream ps = new PrintStream(s.getOutputStream());
        LocalDateTime now = LocalDateTime.now();
        DateTimeFormatter formatter = DateTimeFormatter.ofPattern("yyyy-MM-dd
HH:mm:ss");
        String formattedDateTime = now.format(formatter);
        ps.println(formattedDateTime);
        DataInputStream dis = new DataInputStream(s.getInputStream());
        String inet = dis.readLine();
        System.out.println("THE CLIENT SYSTEM ADDRESS IS: " + inet);
        ps.close();
    }
}
```

## **DateClient:**

```
import java.net.*;
import java.io.*;
@SuppressWarnings("deprecation")
class DateClient {
    public static void main(String[] args) throws IOException {
        Socket soc;
```

```
DataInputStream dis;  
  
String sdate;  
  
PrintStream ps;  
  
InetAddress ia = InetAddress.getLocalHost();  
  
soc = new Socket(ia, 8020);  
  
dis = new DataInputStream(soc.getInputStream());  
  
sdate = dis.readLine();  
  
System.out.println("THE date in the server is: " + sdate);  
  
ps = new PrintStream(soc.getOutputStream());  
  
ps.println(ia);  
  
}  
}
```

## OUTPUT:

```
PS D:\> java DateServer  
THE CLIENT SYSTEM ADDRESS IS: DESKTOP-29FMPBC/192.168.139.251  
PS D:\> |
```

```
PS D:\> java DateClient  
THE date in the server is: 2024-03-17 22:12:29  
PS D:\> |
```