```
/*
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Batch : B4
*/

// Aim : Program for distributed application using RMI
```

Server.java

```
import java.sql.*;
// import java.sql.Connection;
import java.rmi.*;
import java.rmi.Naming.*;
import java.rmi.server.*;
import java.rmi.registry.*;
import java.util.Vector;

interface DBInterface extends Remote {
 public String input(String name1, String name2) throws RemoteException;
}
public class Server extends UnicastRemoteObject implements DBInterface {
 int flag = 0, n, i, j;
 String name3;
 ResultSet r;

 public Server() throws RemoteException  {
  try {
   System.out.println("Initializing Server\nServer Ready");
  }
catch (Exception e) {
   System.out.println("ERROR: " + e.getMessage());
  }
 }

public static void main(String[] args) {
  try {
   Server rs = new Server();
```

```
  java.rmi.registry.LocateRegistry.createRegistry(1030).rebind(
    "DBServ", rs);
  }
  catch (Exception e) {
   System.out.println("ERROR: " + e.getMessage());
  }
 }
 public String input(String name1, String name2){
  try {
   name3 = name1.concat(name2);
  }
  catch (Exception e)  {
   System.out.println("ERROR: " + e.getMessage());
  }
  return name3;
 }
}
```

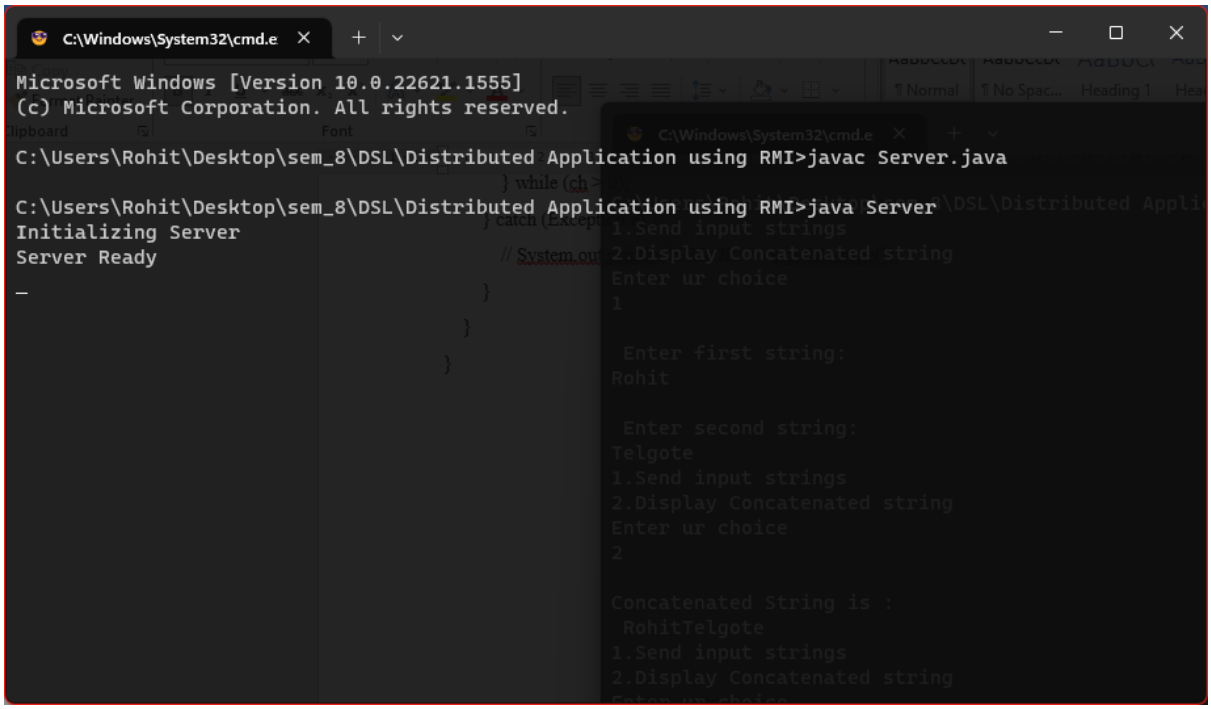
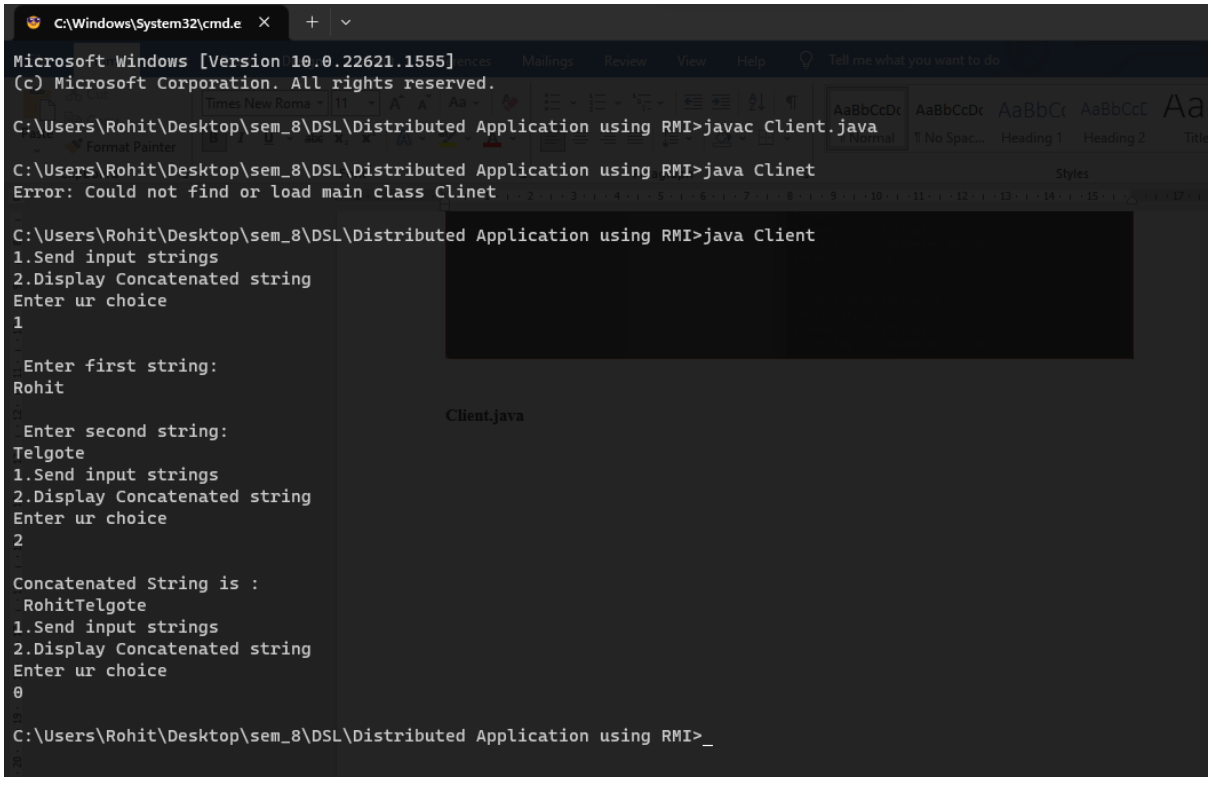
Client.java

```
import java.sql.*;
import java.rmi.*;
import java.io.*;
import java.util.*;
import java.util.Vector.*;
import java.lang.*;
import java.rmi.registry.*;

public class Client {
    static String name1, name2, name3;

    public static void main(String args[]) {
        Client c = new Client();
        BufferedReader b = new BufferedReader(new InputStreamReader(System.in));
        int ch;
        try {
            Registry r1 = LocateRegistry.getRegistry("localhost", 1030);
            DBInterface DI = (DBInterface) r1.lookup("DBServ");
```

```
        do {
            System.out.println("1.Send input strings\n2.Display Concatenated string\nEnter ur choice");
            ch = Integer.parseInt(b.readLine());
            switch (ch) {
                case 1:
                    System.out.println(" \n Enter first string:");
                    name1 = b.readLine();
                    System.out.println(" \n Enter second string:");
                    name2 = b.readLine();
                    name3 = DI.input(name1, name2);
                    break;
                case 2:
                    // display
                    System.out.println("\nConcatenated String is : ");
                    int i = 0;
                    System.out.println(" " + name3 + "");
                    break;
            }
        } while (ch > 0);
    } catch (Exception e) {
        // System.out.println("ERROR: " +e.getMessage());
    }
  }
}
```

Output :

Server.java



Client.java