**PRACTICAL 2.1**

**AIM:**

Write RMI application where client supplies two numbers and server response by summing it. (Use: Scanner class).

**CODE:**

**RemoteInterface.java**

import java.rmi.\*;

public interface RemoteInterface extends Remote {

public int add(int x, int y) throws RemoteException;

}

**Server.java**

import java.rmi.\*;

import java.rmi.server.\*;

public class Server extends UnicastRemoteObject implements RemoteInterface {

public Server() throws RemoteException{

super();

}

public int add(int x, int y) {

return x+y;

}

}

**Registration.java**

import java.rmi.\*;

import java.net.\*;

public class Registration {

public static void main(String[] args){

try {

Server s=new Server();

Naming.rebind("SERVICE",s);

System.out.println("Bindins Successful. Server Started");

} catch(Exception e) {

System.out.println(e.getMessage());

}

}

}

**Client.java**

import java.rmi.\*;

import java.io.\*;

import java.util.Scanner;

public class Client {

public static void main(String[] args) {

Scanner in = new Scanner(System.in);

int num1, num2;

try {

System.out.println("Enrollment No.: 130050131525");

String ip="rmi://localhost/SERVICE";

RemoteInterface s = (RemoteInterface)Naming.lookup(ip);

System.out.print("Enter number 1: ");

num1 = in.nextInt();

System.out.print("Enter number 2: ");

num2 = in.nextInt();

System.out.println("Sum: " + s.add(num1, num2));

} catch(Exception e) {

e.printStackTrace();

}

}

}

**OUTPUT:**





