**Experiment No. 4**

**Interface**

import java.rmi.\*;

public interface SmallI extends Remote{

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

}

**Interface Implementation**

import java.rmi.\*;

import java.rmi.server.\*;

public class Small extends UnicastRemoteObject implements SmallI

{

Small() throws RemoteException{

super();

}

public int small(int x,int y){

if(x<y)

return x;

else

return y;

}

}

**Server.java**

import java.rmi.\*;

import java.rmi.registry.\*;

public class Server{

public static void main(String args[]){

try{

SmallI stub=new Small();

Naming.rebind("rmi://localhost:/small",stub);

}

catch(Exception e){

System.out.println(e);

}

}

}

**Client**

import java.rmi.\*;

import java.util.\*;

public class Client{

public static void main(String args[]){

try{

int n1=0,n2=0;

Scanner sc=new Scanner(System.in);

SmallI stub=(SmallI)Naming.lookup("rmi://localhost:/small");

System.out.println("Enter the Number 1");

n1=sc.nextInt();

System.out.println("Enter the Number 2");

n2=sc.nextInt();

System.out.println("Smallest Number is:-"+(stub.small(n1,n2)));

}

catch(Exception e){

System.out.println("Error is "+e);

}

}

}

**Output**



