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**Name of the Student: Choudhari Arti Roll no: 08**

**CLASS:- B.E.[I.T] Division: A Course:- 2015**

**Assignment No.1B**

**COMPUTER LABORATORY-IX**

**Marks: /10**

**Date of Performance: Sign with Date:**

**Code:-**

//package exp1;

//RMIClient//

import java.io.\*;

import java.rmi.registry.\*;

public class client

{ static String name1,name2,name3;

public static void main(String args[])

{

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 \n3.Exit \nEnterur choice:");

ch= Integer.parseInt(b.readLine());

switch(ch)

{

case 1:

System.out.println("Enter first string:");

name1=b.readLine();

System.out.println("Enter second string:");

name2=b.readLine();

name3=DI.input(name1,name2);

break;

case 2:

//display

System.out.println("\n Concatenated String is : ");

System.out.println(" " +name3+"");

break;

default:

break;

}

}while(ch<3);

}

catch (Exception e)

{

System.out.println("ERROR: " +e.getMessage());

}

}

}

/\* OUTPUT

student@ideapad5:~/Desktop/ConcatenateRMI$ java client

1.Send input strings

2.Display concatenated string

3.Exit

Enter ur choice:

1

Enter first string:

SAE

Enter second string:

,Kondhwa

1.Send input strings

2.Display concatenated string

3.Exit

Enter ur choice:

2

Concatenated String is :

SAE,Kondhwa

1.Send input strings

2.Display concatenated string

3.Exit

Enter ur choice:

3

student@ideapad5:~/Desktop/ConcatenateRMI$ \*/

**Server:**

//package exp1;

//RMIServer //

import java.rmi.\*;

import java.rmi.server.\*;

interface DBInterface extends Remote

{

public String input(String name1,String name2) throws RemoteException;

}

public class server extends UnicastRemoteObject implements DBInterface

{

private static final long serialVersionUID = 1L;

String name3;

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;

}

}

/\*OUTPUT

student@ideapad5:~/Desktop/ConcatenateRMI$ javac server.java

student@ideapad5:~/Desktop/ConcatenateRMI$ java server

Initializing Server

Server Ready \*/