**Implementation of RPC (Remote Procedure Call)**

**SOURCE CODE**

**Client**

import java.io.\*;

import java.net.\*;

import java.util.\*;

class Clientrpc

{

public static void main(String args[])

{

try

{

BufferedReader in=new BufferedReader(new InputStreamReader(System.in)); Socket clsct=new Socket("127.0.0.1",139);

DataInputStream din=new DataInputStream(clsct.getInputStream()); DataOutputStream dout=new DataOutputStream(clsct.getOutputStream());

System.out.println("Enter String"); String str=in.readLine(); dout.writeBytes(str+'\n'); clsct.close();

}

catch (Exception e)

{

System.out.println(e);

}

}

}

**Server**

import java.io.\*;

import java.net.\*;

|  |  |
| --- | --- |
| import java.util.\*; |  |
| class Serverrpc |  |
| { |  |

public static void main(String args[])

{

try

{

ServerSocket obj=new ServerSocket(139); while(true)

{

Socket obj1=obj.accept();

DataInputStream din=new DataInputStream(obj1.getInputStream()); DataOutputStream dout=new DataOutputStream(obj1.getOutputStream()); String str=din.readLine();

Process p=Runtime.getRuntime().exec(str);

}

}

catch(Exception e)

{

System.out.println(e);

}

}

}

**SAMPLE INPUT & OUTPUT**

**Server**

Y:\networks\remote>java Serverrpc Client

Y:\networks\remote>java Clientrpc Enter String

Calc

