

**SRINIVAS UNIVERSITY  
MANGALORE**

**INSTITUTE OF COMPUTER SCIENCE AND INFORMATION SCIENCE**

**Course Name: MCA I Year: Semester Name: II Semester: Subject Name: Advanced Java - Lab**

**1**

**AIM:**

Create a Java JDBC program to access the Mysql database

**Procedure:**

Step 1: Start the Netbeans IDE

Step 2: File ->New project->java-> application->Project Name->Next

Step 3: Project name ->right click ->java ->java class->Finish

Step 4: Create a appropriate JDBC java code to connection with Mysql

Step 5: Create a database and table for student of the S\_id, Sname, DOB, Address and Email\_id in Mysql

Step 6: Execute the Mysql database in JDBC java program.

Step 7: Stop

**Mysql database:**

```
mysql> use college
```

```
Database changed
```

```
mysql> desc mca;
```

```
Mysql>create table mca(S_id int(5)primary key,Sname varchar(20),DOB date,Address  
varchar(20),Email_id varchar(20));
```

```
Mysql>insert into mca values(1001,"Raja",'2023-07-09',"Chennai","ss@gmail.com");
```

```
Mysql>insert into mca values(1001,"John",'2023-07-10',"Mangalore","vv@gmail.com");
```

```
mysql> select * from mca;
```

```
+-----+-----+-----+-----+-----+  
| S_id | Sname | DOB    | Address | Email_id |  
+-----+-----+-----+-----+-----+  
| 1001 | Raja  | 2023-07-09 | Chennai | ss@gmail.com |  
| 1002 | John  | 2023-07-10 | Mangalore | vv@yahoo.com |  
+-----+-----+-----+-----+-----+
```

```
2 rows in set (0.00 sec)
```

### **Mysql JDBC program**

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

public class domo {

    public static void main(String args[]) {
        try {
            Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/college", "root", "root");
            Statement stnt = con.createStatement();
            String query = "select*from mca";
            ResultSet rs = stnt.executeQuery(query);
            while (rs.next()) {
                for (int i=1;i<=5;i++){

                    System.out.print(rs.getString(i));
                    System.out.println("|");
                }
                System.out.println();

            }
        }
        catch (SQLException ex) {
            System.out.println(ex.getMessage());
        }
    }
}
```

### **Output:**

```
run:
1001|
Raja|
2023-07-09|
Chennai|
ss@gmail.com|
1002|
John|
2023-07-10|
Mangalore|
vv@yahoo.com|
```

BUILD SUCCESSFUL (total time: 0 seconds)

### **Result:**

Thus program has been successfully executed.

2.

### **Aim**

Create a Servlet program to link with HTML program

### **Procedure:**

Step 1: Start the Netbeans IDE

Step 2: New Project->Java Web->Web Application ->Next

Step 3: Project Name<->->Next ->Server Setting->Finish->Next

Step 4: Create a servlet->Source package-> default package->New->Servlet->Next

Step 5: Servlet class name<->-> Next->Servlet name<-> and URL Pattern name<->->Next->Tick mark  
Add information in web.xml->Finish.

Step 6: Create a HTML file and xml file ->right click on web Pages->new HTML and XML

Step 7: Execute the Servlet java program with HTML program.

Step 8: Stop

### **Servlet java program**

```
package ss;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class Myservlet extends HttpServlet {
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            out.println("<h1>This Servlet program link with HTML program</h1>");
        }
    }
}
```

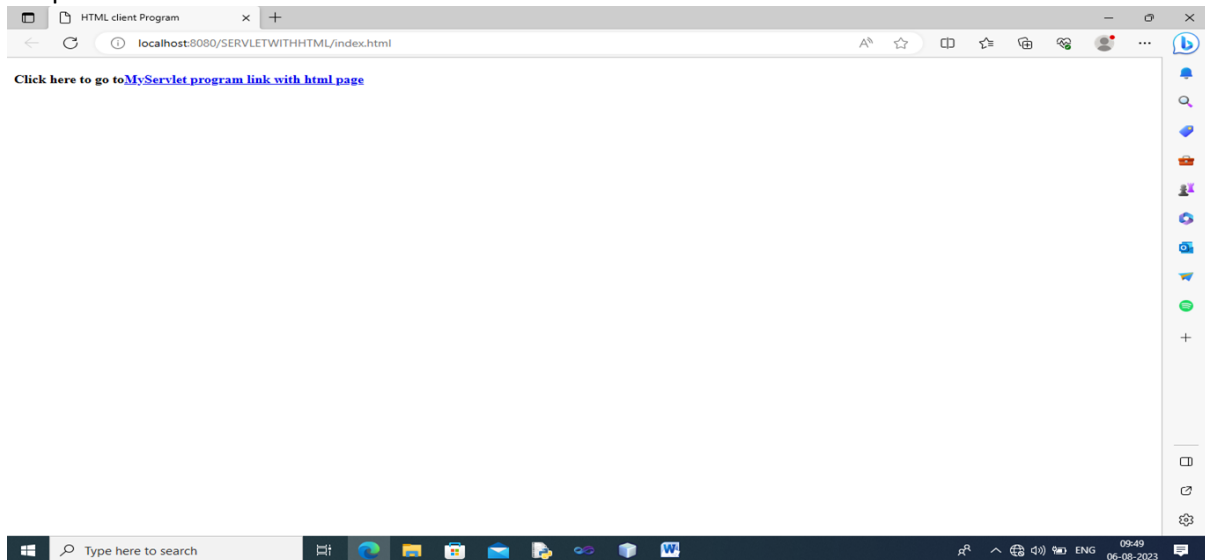
### **Client HTML program**

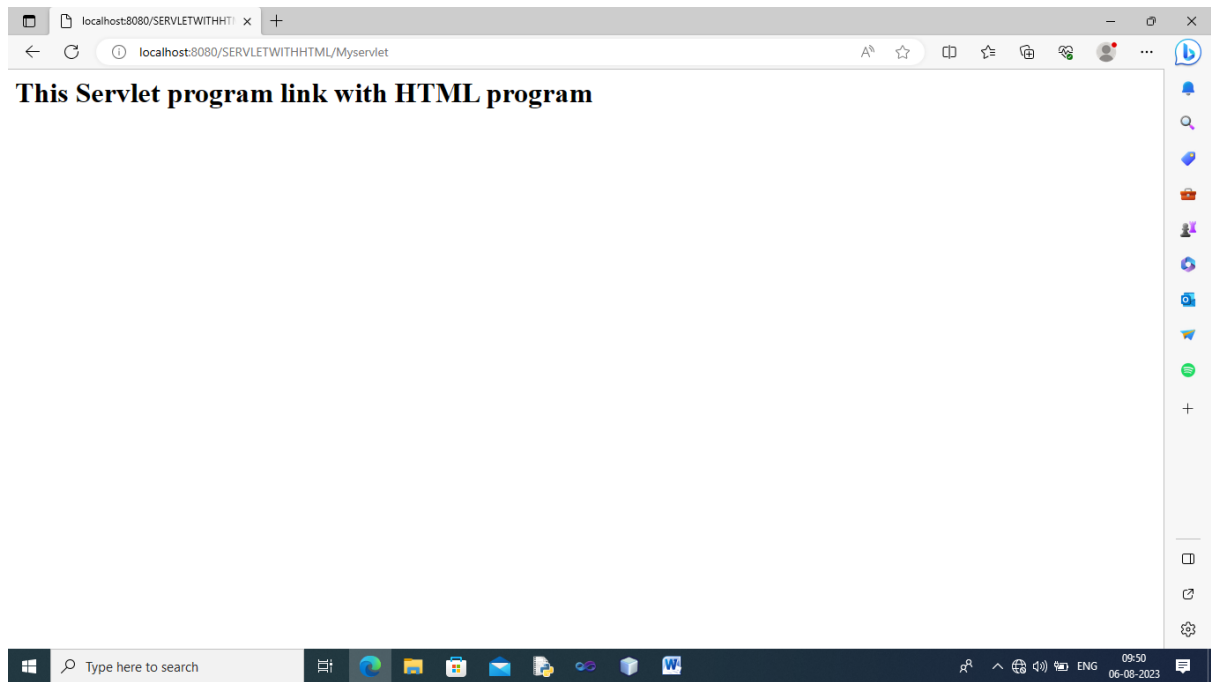
```
<html>
<head>
    <title>HTML client Program</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
    <h4>Click here to go to<a href="Myservlet">MyServlet program link with html page</a></h4>
</body>
</html>
```

## Web: xml program (web.xml)

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="3.1" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-
app_3_1.xsd">
  <servlet>
    <servlet-name>Myservlet</servlet-name>
    <servlet-class>ss.Myservlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>Myservlet</servlet-name>
    <url-pattern>/Myservlet</url-pattern>
  </servlet-mapping>
  <session-config>
    <session-timeout>
      30
    </session-timeout>
  </session-config>
</web-app>
```

Output:





**Result:**

Thus program has been successfully executed

**Aim :**

Create a Servlet program to display ( a ).Port number (b). Host name (c).  
Browser visits

**Procedure:**

Step 1: Start the Netbeans IDE

Step 2: New Project->Java Web->Web Application ->Next

Step 3: Project Name<->->Next ->Server Setting->Finish->Next

Step 4: Create a servlet->Source package-> default package->New->Servlet->Next

Step 5: Servlet class name<->-> Next->Servlet name<-> and URL Pattern name<->->Next

Step 6: Create a java servlet code for display the system Port number, Host name and Browser visits

Step 7: Execute the Servlet java program to display the system Port number, Host name and Browser visits

Step 8: Stop

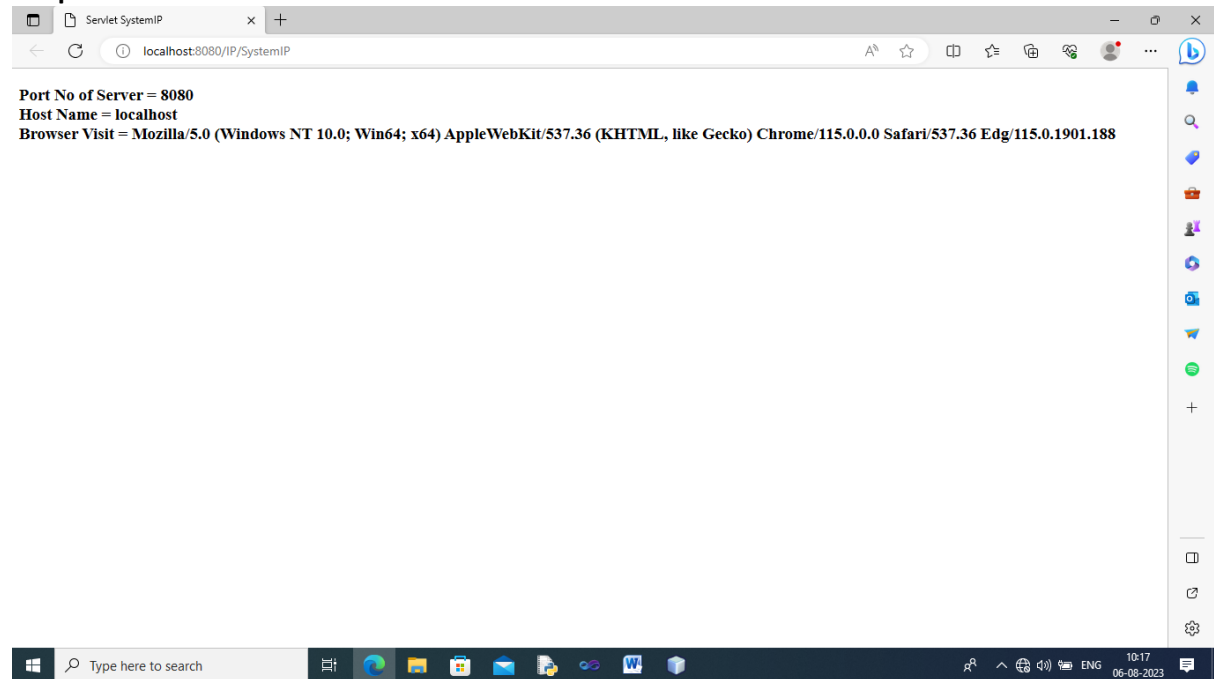
**Servlet java program**

```
package ss;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet(name = "SystemIP", urlPatterns = {"/SystemIP"})
public class SystemIP extends HttpServlet {
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {

            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Servlet SystemIP</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<h3>");
            out.println("Port No of Server =");
            out.println(request.getServerPort()+"<br>");
            out.println("Host Name =");
            out.println(request.getServerName()+"<br>");
            out.println("Browser Visit =");
            out.println(request.getHeader("User-Agent")+"<br>");
            out.println("</h3>");
            out.println("</body>");
```

```
        out.println("</html>");  
    }  
}  
}
```

### Output:



### Result:

Thus program has been successfully executed

4.

**Aim :**

Create a Servlet program that gets the date and time of the system

**Procedure:**

Step 1: Start the Netbeans IDE

Step 2: New Project->Java Web->Web Application ->Next

Step 3: Project Name<>->Next ->Server Setting->Finish->Next

Step 4: Create a servlet->Source package-> default package->New->Servlet->Next

Step 5: Servlet class name<>-> Next->Servlet name<> and URL Pattern name<>->Next

Step 6: Create a java servlet code for display the system date and time

Step 7: Execute the Servlet java program to display the system date and time.

Step 8: Stop.

**Servlet java program**

```
package SS;
import java.io.IOException;
import java.io.PrintWriter;
import java.util.Calendar;
import java.util.GregorianCalendar;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet(name = "SYSTEMDATETIME", urlPatterns = {"/SYSTEMDATETIME"})
public class SYSTEMDATETIME extends HttpServlet {

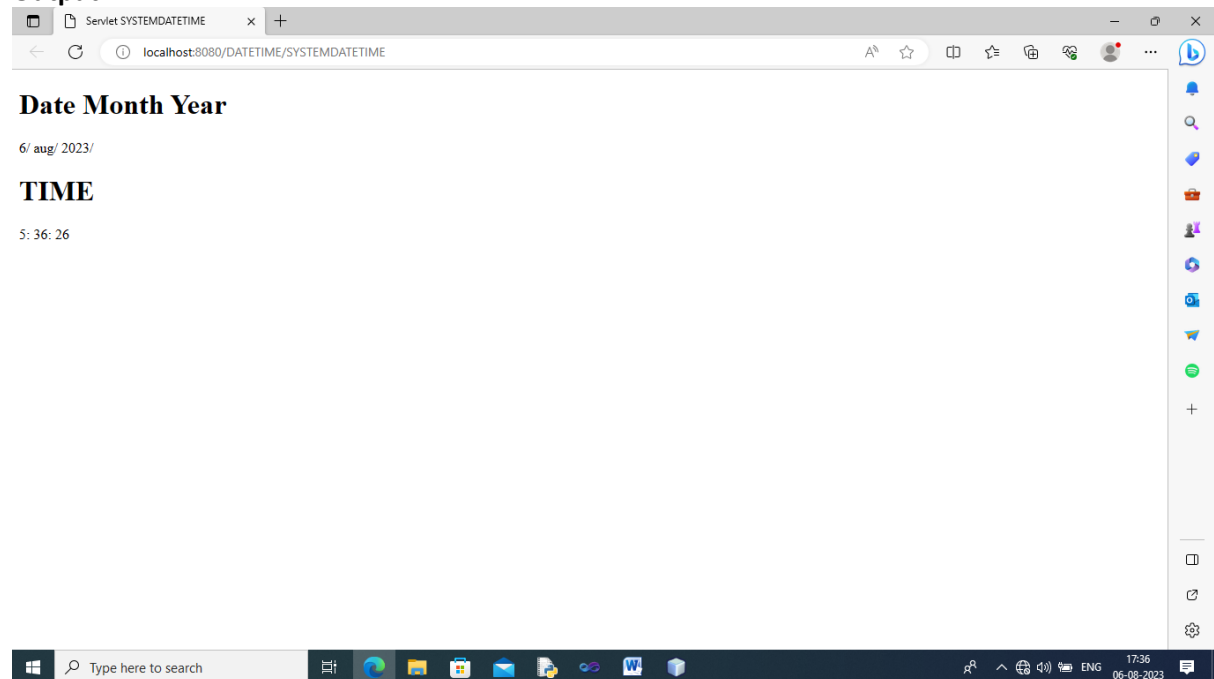
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        GregorianCalendar gc = new GregorianCalendar();
        String S[]={"jan","feb","mar","apr","may","jun","july","aug","sep","oct","nov","dec"};

        try (PrintWriter out = response.getWriter()) {
            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Servlet SYSTEMDATETIME</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<h1>Date Month Year</h1>");
```



```
        out.println(gc.get(Calendar.DATE) + "/");
        out.println(S[gc.get(Calendar.MONTH)] + "/");
        out.println(gc.get(Calendar.YEAR) + "/");
        out.println("<h1>TIME</h1>");
        out.println(gc.get(Calendar.HOUR) + ":");
        out.println(gc.get(Calendar.MINUTE) + ":");
        out.println(gc.get(Calendar.SECOND));
        out.println("</body>");
        out.println("</html>");
    }
}
```

### Output:



### Result:

Thus program has been successfully executed.

**Aim :**

Create a Servlet program to calculate the arithmetic operation using with HTML

**Procedure:**

Step 1: Start the Netbeans IDE

Step 2: New Project->Java Web->Web Application ->Next

Step 3: Project Name<->->Next ->Server Setting->Finish->Next

Step 4: Create a servlet->Source package-> default package->New->Servlet->Next

Step 5: Servlet class name<->-> Next->Servlet name<-> and URL Pattern name<->->Next

Step 6: Create a java servlet code and html code link for display the arithmetic operation

Step 7: Execute the HTML code of input values to connect with the servlet program

Step 8: Stop.

**HTML client program**

```
<html>
<head>
  <title>Arithmetic Operation using Servlet Program</title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>

  <form method="get" action="NewServlet">

    <h1>Calculator using Client and Server Program</h1>
    First Number:
    <input type="text" name="txtfno"/><br/>
    Second Number:
    <input type="text" name="txtsno"/><br/>
    Select the Operation:<br/>
    <input type="radio" name="Operation" value="add">Addition
    <input type="radio" name="Operation" value="sub">Subtraction
    <input type="radio" name="Operation" value="mul">Multiplication
    <input type="radio" name="Operation" value="div">Division
    <input type="radio" name="Operation" value="mod">Modulous<br/>
    <input type="Submit" value="Calculate"/>
    <input type="Reset" value="Reset"/>
  </form>

</html>
```

## Servlet Java Program

```
package dd;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class NewServlet1 extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException

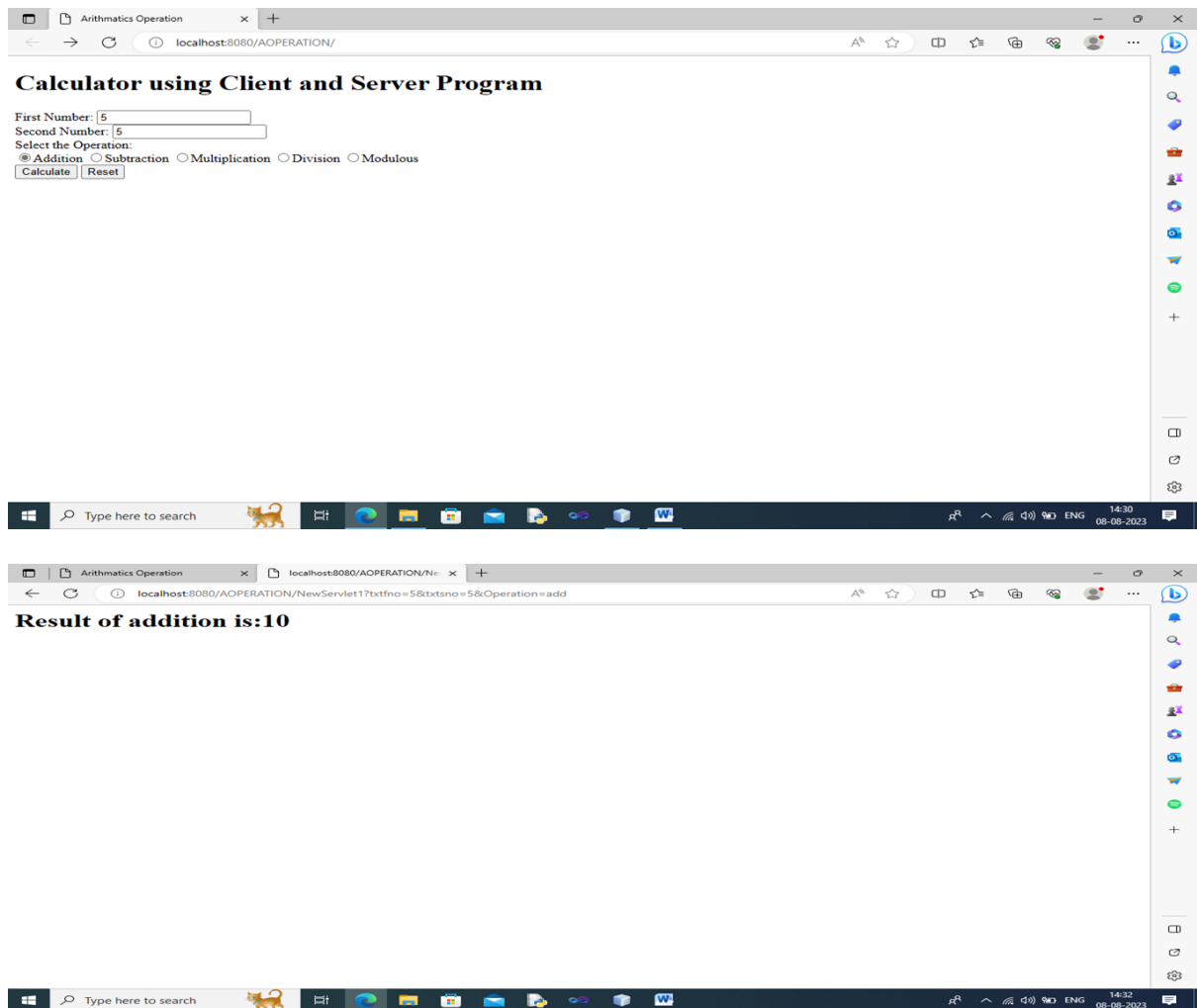
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        // processRequest(request, response);

        response.setContentType("text/html;charset=UTF-8");
        PrintWriter out = response.getWriter();
        int x,y;
        String str="";
        x=Integer.parseInt(request.getParameter("txtfno"));
        y=Integer.parseInt(request.getParameter("txtsno"));
        str=request.getParameter("Operation");
        if(str.equals("add"))
            out.println("<h1> Result of addition is:"+ (x+y) + "</h1>");
        else if(str.equals("sub"))
            out.println("<h1> Result of Subtraction is:"+ (x-y) + "</h1>");
        else if(str.equals("mul"))
            out.println("<h1> Result of Multiplication is:"+ (x*y) + "</h1>");
        else if(str.equals("div"))
            out.println("<h1> Result of Divison is:"+ (x/y) + "</h1>");
        else if(str.equals("mod"))
            out.println("<h1> Result of Divison is:"+ (x%y) + "</h1>");

    }

}
```

## Output:



## Result:

Thus program has been successfully executed

6.

**Aim :**

Create a Servlet program to display the user name and password using with HTML

**Procedure:**

Step 1: Start the Netbeans IDE

Step 2: New Project->Java Web->Web Application ->Next

Step 3: Project Name<>->Next ->Server Setting->Finish->Next

Step 4: Create a servlet->Source package-> default package->New->Servlet->Next

Step 5: Servlet class name<>-> Next->Servlet name<> and URL Pattern name<>->Next

Step 6: Create a java servlet code to display the user name and password using with HTML

Step 7: Execute the HTML code of input values to connect with the servlet program

Step 8: Stop.

## HTML client program

```
<head>
  <title>User Name and Password dimply </title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>

<form method="get" action="LServlet">

  Username: <input type="text" name="username"/> <br/>
  Password: <input type="password" name="password"/> <br/>
  <input type="submit" value="Login" />
</form>
```

## Servlet Java Program

```
package tt;

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class LServlet extends HttpServlet {

  @Override
  protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    // read form fields
    String username = request.getParameter("username");
    String password = request.getParameter("password");

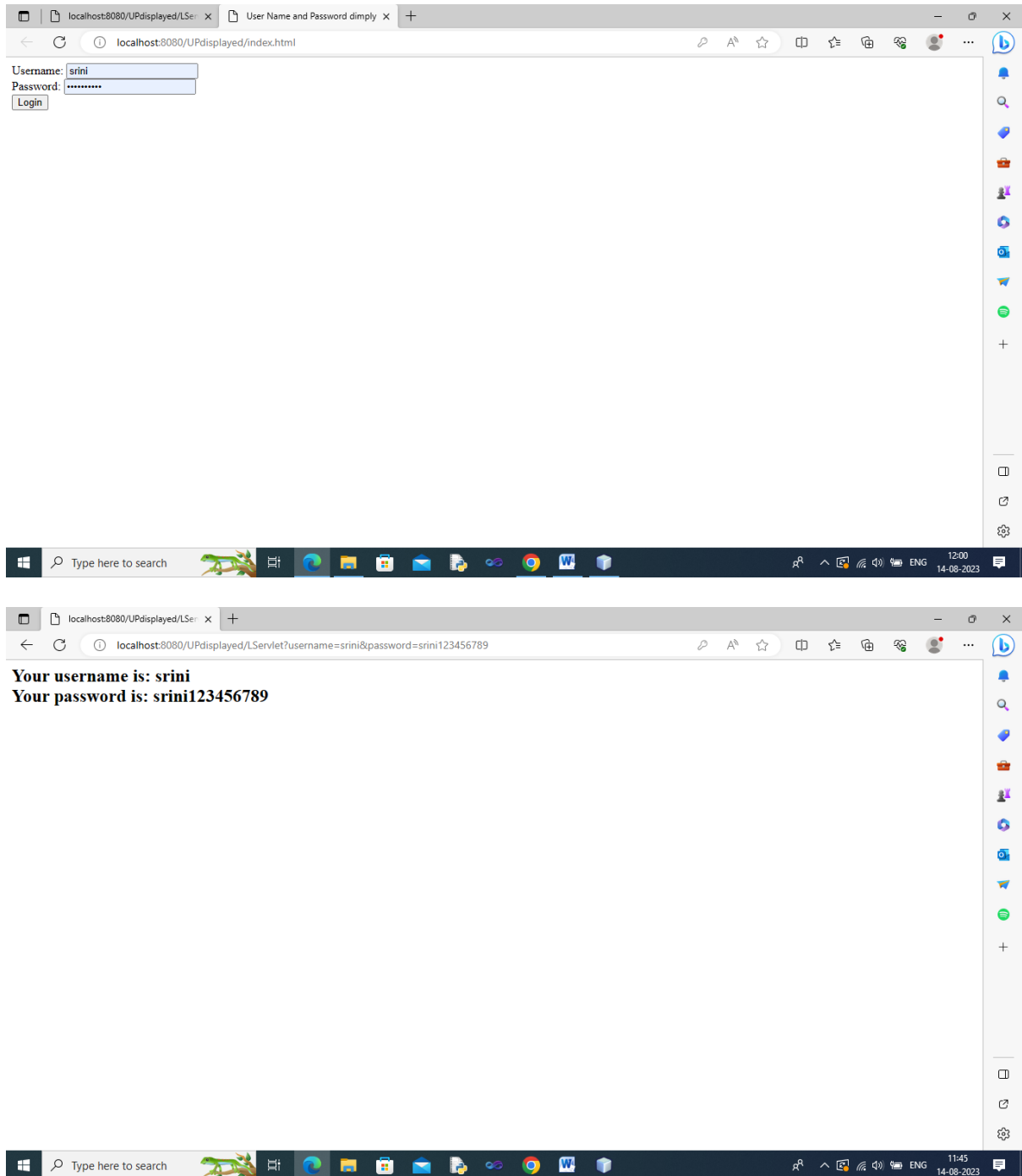
    System.out.println("username: " + username);
    System.out.println("password: " + password);

    // do some processing here...
    // get response writer
    PrintWriter writer = response.getWriter();

    // build HTML code
    String htmlResponse = "<html>";
    htmlResponse += "<h2>Your username is: " + username + "<br/>";
    htmlResponse += "Your password is: " + password + "</h2>";
    htmlResponse += "</html>";
```

```
// return response
writer.println(htmlResponse);
}
```

## Output:



## Result:

Thus program has been successfully executed.

7.

**Aim :**

Create a Servlet program to display the how many times visited the website counting using with Cookies.

**Procedure:**

Step 1: Start the Netbeans IDE

Step 2: New Project->Java Web->Web Application ->Next

Step 3: Project Name<>->Next ->Server Setting->Finish->Next

Step 4: Create a servlet->Source package-> default package->New->Servlet->Next

Step 5: Servlet class name<>-> Next->Servlet name<> and URL Pattern name<>->Next

Step 6: Create a java servlet code to display the counting visited the website using with Cookies.

Step 7: Execute the Servlet program to display the how many time visited the website.

Step 8: Stop.



### Servlet program for Cookies:

```
package CK;

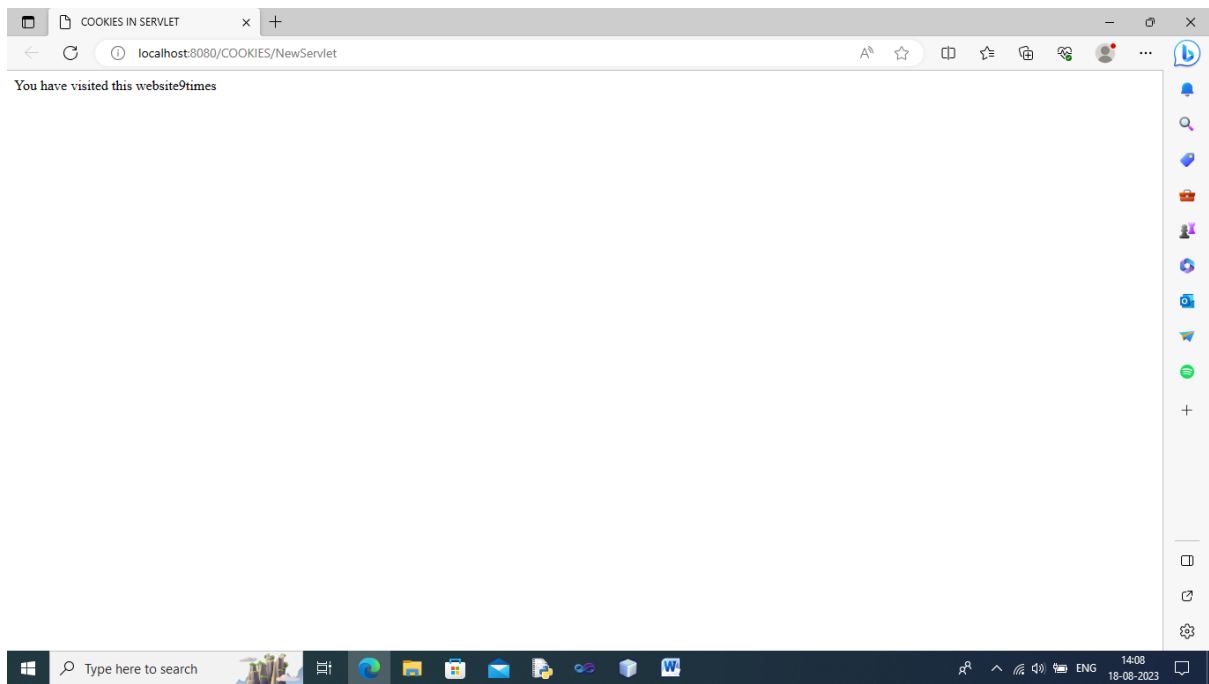
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.Cookie;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class NewServlet extends HttpServlet {

    static int i = 1;

    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>COOKIES IN SERVLET</title>");
            out.println("</head>");
            out.println("<body>");
            Cookie c = new Cookie("Visit", String.valueOf(i));
            response.addCookie(c);
            int j = Integer.parseInt(c.getValue());
            if (j == 1) {
                out.println("Welcome User ");
            } else {
                out.println(" You have visited  this website" + j + "times");
            }
            i++;
            out.println("</body>");
            out.println("</html>");
        }
    }
}
```

## Output:



## Result:

Thus program has been successfully executed.

**AIM**

Create a JFrame form design using label , text field with buttons to display Area of a rectangle

**Procedure**

Step 1: Start the Netbeans IDE

Step 2: File ->New project->java->java application->Project Name->Finish->Next

Step 3: Choose the Project Name->right click->New->java package->Next

Step 4: package Name->Mypackage->Finish-Next

Step 5: Choose the Mypackage->right click->New->JFrame form->Next-> create class Name->Finish

Step 6: Execute the JFrame form design program to display the Area of Rectangle Calculation

Step 7: Stop.

**Java JFrame using for Area of Rectangle Calculation**

```
package newpackage;
public class AreaRectAngle extends javax.swing.JFrame {
    public AreaRectAngle() {
        initComponents();
    }
    @SuppressWarnings("unchecked")
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        int l = Integer.parseInt(jTextField1.getText());
        int b = Integer.parseInt(jTextField2.getText());
        int a = l * b;
        jTextField3.setText(String.valueOf(a));
    }
    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        System.exit(0);
    }
    public static void main(String args[]) {
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new AreaRectAngle().setVisible(true);
            }
        });
    }
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    private javax.swing.JTextField jTextField3;
    // End of variables declaration
}
```

## Output:

AREA OF RECTANGLE CALCULATION

Length

Width

Area of Rectangle

## Result:

Thus program has been successfully executed

9.

### **AIM**

Create a JFrame form design contain a checkbox, radio button, label and text field with buttons for Restaurant bill preparation

### **Procedure**

Step 1: Start the Netbeans IDE

Step 2: File ->New project->java->java application->Project Name->Finish->Next

Step 3: Choose the Project Name->right click->New->java package->Next

Step 4: package Name->Mypackage->Finish-Next

Step 5: Choose the Mypackage->right click->New->JFrame form->Next-> create class Name->Finish

Step 6: Execute the JFrame form design program to display the Restaurants bill preparation

Step 7: Stop

### Java JFrame using for Restaurants bill preparation

```
package newpackage;

public class NewJFrameR extends javax.swing.JFrame {

    public NewJFrameR() {
        initComponents();
    }

    @SuppressWarnings("unchecked")

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        System.exit(0);
    }

    private void appleRadActionPerformed(java.awt.event.ActionEvent evt) {
        if (appleRad.isSelected()) {
            grapeRad.setSelected(false);
            orangeRad.setSelected(false);
        }
    }

    private void grapeRadActionPerformed(java.awt.event.ActionEvent evt) {
        if (grapeRad.isSelected()) {
            appleRad.setSelected(false);
            orangeRad.setSelected(false);
        }
    }

    private void orangeRadActionPerformed(java.awt.event.ActionEvent evt) {
        if (orangeRad.isSelected()) {
            appleRad.setSelected(false);
            grapeRad.setSelected(false);
        }
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        double total;
        double subtotal = 0;
        final double TAXRATE = .10;
        double tax;
        if (appleRad.isSelected()) {
            subtotal = subtotal + 40;
        } else if (grapeRad.isSelected()) {
            subtotal = subtotal + 35;
        } else if (orangeRad.isSelected()) {
            subtotal = subtotal + 30;
        }
    }
}
```

```

if (pongalcheck.isSelected()) {
    subtotal = subtotal + 20;
}

if (idlycheck.isSelected()) {
    subtotal = subtotal + 30;
}

if (dosaicheck.isSelected()) {
    subtotal = subtotal + 40;
    subtotalTF.setText(Double.toString(subtotal));
    subtotal = Double.parseDouble(subtotalTF.getText());
    tax = subtotal * TAXRATE;
    total = tax + subtotal;
    taxTF.setText(Double.toString(tax));
    totalTF.setText(Double.toString(total));
}
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    appleRad.setSelected(false);
    grapeRad.setSelected(false);
    orangeRad.setSelected(false);
    pongalcheck.setSelected(false);
    idlycheck.setSelected(false);
    dosaicheck.setSelected(false);
    subtotalTF.setText(" ");
    taxTF.setText(" ");
    totalTF.setText(" ");
}

public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        @Override
        public void run() {
            new NewJFrameR().setVisible(true);
        }
    });
}

private javax.swing.JRadioButton appleRad;
private javax.swing.JCheckBox dosaicheck;
private javax.swing.JRadioButton grapeRad;
private javax.swing.JCheckBox idlycheck;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;

```

```
private javax.swing.JPanel jPanel1;  
private javax.swing.JPanel jPanel2;  
private javax.swing.JRadioButton orangeRad;  
private javax.swing.JCheckBox pongalcheck;  
private javax.swing.JTextField subtotalTF;  
private javax.swing.JTextField taxTF;  
private javax.swing.JTextField totalTF;  
// End of variables declaration  
}
```

### Out put:

SRINIVAS HOTEL RESTAURENT BILL PREPARATION MANGALORE

☒ Apple Juice:Rs:40      ☒ Pongle:Rs:20  
☐ Grape Juice:Rs: 35      ☒ Idly:Rs:30  
☐ Orange Juice:Rs: 30      ☒ Dosai:Rs:40

SubTotal	130.0
Tax	13.0
Total	143.0

### Result:

Thus program has been successfully executed



## **AIM**

Create a Remote Method Innovation RMI program to calculate the addition of two number using connection Remote method in Interface program, Server program and Client program

## **Procedure:**

Step 1: Start the Netbeans IDE

Step 2: File ->New project->java->web application-> Finish

Step 3: Project Name->New ->Java Interface ->Default code display.

Step 4: Create a appropriate Java code to display the addition of two numbers  
In RMI method connected from Server to Client.

Step 5: Execute the Interface program, Server program and Client program to display the  
Add number of total.

Step 6: Stop.

### **RMI interface java program:**

```
package ss;

import java.rmi.*;
public interface Adder extends Remote {
    public int add(int a, int b) throws RemoteException;
}
```

### **RMI Server program:**

```
package ss;

import java.rmi.RemoteException;
import java.rmi.registry.LocateRegistry;
import java.rmi.registry.Registry;
import java.rmi.server.UnicastRemoteObject;
public class Server extends UnicastRemoteObject implements Adder
{
    public Server() throws RemoteException {
        super();
    }
    @Override
    public int add(int n1, int n2) throws RemoteException {
        return n1 + n2;
    }
    public static void main(String[] args) throws RemoteException {
        try {
            Registry reg = LocateRegistry.createRegistry(8080);
            reg.rebind("hi server", new Server());
            System.out.println("Server is ready");
        } catch (RemoteException e) {
            System.out.println("exception" + e);
        }
    }
}
```

### **RMI Client program:**

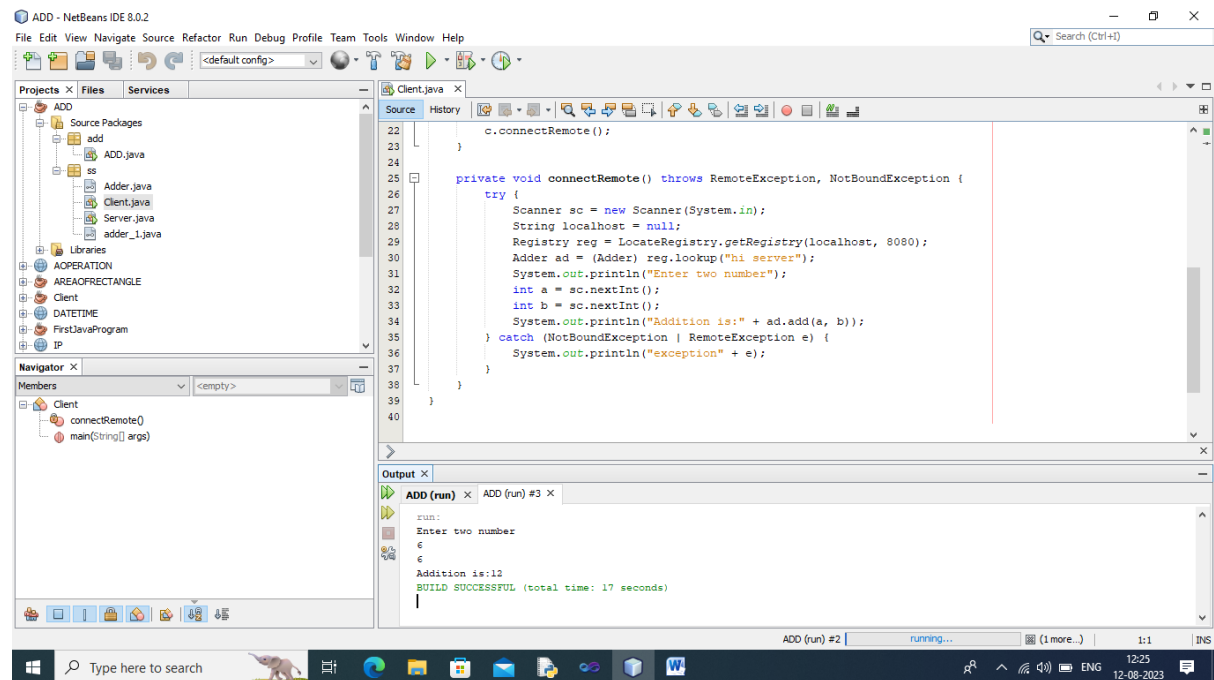
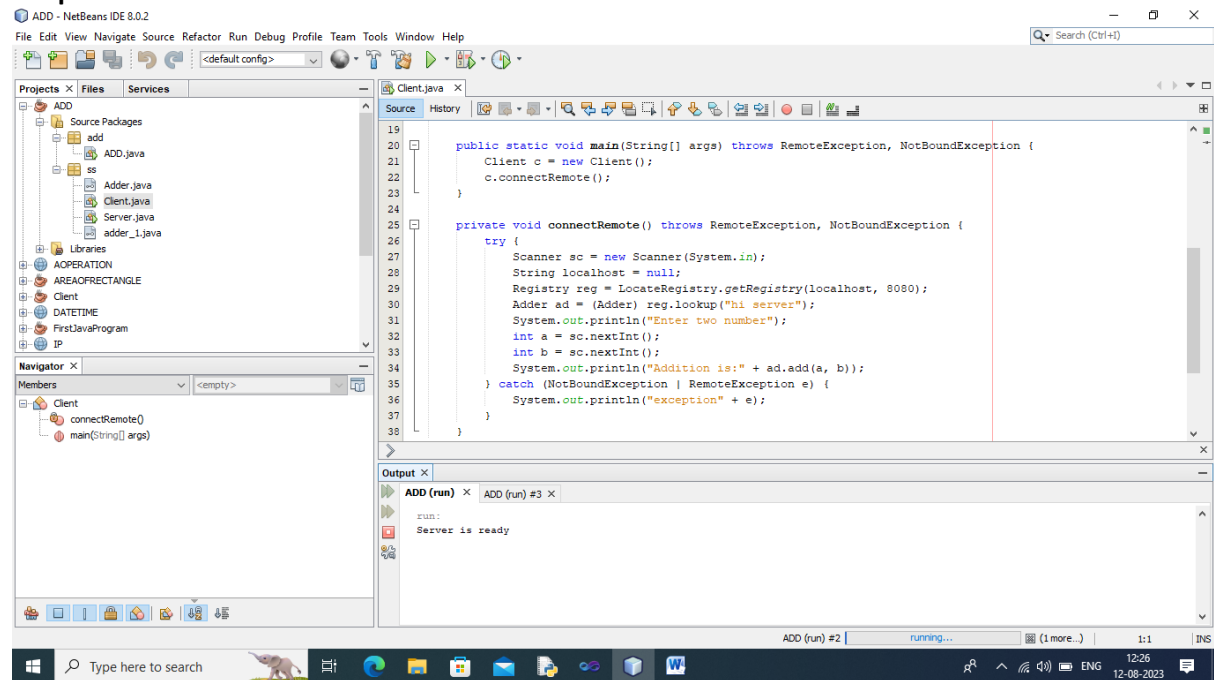
```
package ss;
import java.rmi.NotBoundException;
import java.rmi.RemoteException;
import java.rmi.registry.LocateRegistry;
import java.rmi.registry.Registry;
import java.util.Scanner;

public class Client {

    public static void main(String[] args) throws RemoteException, NotBoundException {
        Client c = new Client();
        c.connectRemote();
    }

    private void connectRemote() throws RemoteException, NotBoundException {
        try {
            Scanner sc = new Scanner(System.in);
            String localhost = null;
            Registry reg = LocateRegistry.getRegistry(localhost, 8080);
            Adder ad = (Adder) reg.lookup("hi server");
            System.out.println("Enter two number");
            int a = sc.nextInt();
            int b = sc.nextInt();
            System.out.println("Addition is:" + ad.add(a, b));
        } catch (NotBoundException | RemoteException e) {
            System.out.println("exception" + e);
        }
    }
}
```

## Output:



## Result:

Thus program has been successfully executed

Thank you...  
Regards  
V.SRINIVASAN  
ICIS