

```
KeyboardEvents.java
package expt1;
import java.applet.*;
import java.awt.*;
import java.awt.event.*;
// To demonstrate the working of Keyboard Events
public class KeyboardEvents extends Applet implements KeyListener , ActionListener
{
    Label purpose;
    char keyChar = ' ';
    int number = 0;
    String string1 = " ", string2 = " ", string3 = " ", string4 = " ";
    Button start;
    public void init()
    {
        requestFocus();
        start = new Button("START");
        add(start);
        start.addActionListener(this);
        addKeyListener(this);
        purpose = new Label("The purpose of this program is to show how Keyboard Events work");
        add(purpose);
    }
    public void keyPressed(KeyEvent e)
    {
        number++;
        string1 = e.getKeyText(e.getKeyCode());
        if(e.getKeyCode() == e.VK_UP)
            string2 = "Up Arrow key";
        if(e.getKeyCode() == e.VK_DOWN)
            string2 = "Down Arrow key";
        if(e.getKeyCode() == e.VK_LEFT)
            string2 = "Left Arrow key";
        if(e.getKeyCode() == e.VK_RIGHT)
            string2 = "Right Arrow key";
    }
}
```

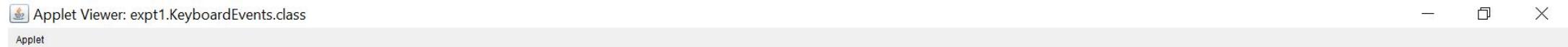
```
KeyboardEvents.java
if(e.getKeyCode() == e.VK_LEFT)
string2 = "Left Arrow key";
if(e.getKeyCode() == e.VK_RIGHT)
string2 = "Right Arrow key";
if(e.getKeyCode() == e.VK_ENTER)
string2 = "Enter key";
repaint();
}
public void keyReleased(KeyEvent e)
{
string4 = e.getKeyText(e.getKeyCode());
repaint();
} // end keyReleased
public void keyTyped(KeyEvent e)
{
keyChar = e.getKeyChar();
if(keyChar == 'x')
string3 = "The key lower case x was pressed";
repaint();
}
public void paint(Graphics g)
{
g.drawString("Number of keys pressed is : " + number, 20, 60);
g.drawString("Character pressed is : " + keyChar, 20, 80);
g.drawString("Key pressed is : " + string1, 20, 100);
g.drawString("Key released is : " + string4, 20, 120);
g.drawString("Action key pressed is : " + string2, 20, 140);
g.drawString(string3, 20, 160);
}
public void actionPerformed(ActionEvent e)
{
requestFocus();
}
```

Writable

Smart Insert

8:15





```
Number of keys pressed is : 12
Character pressed is :
Key pressed is : Ctrl
Key released is : Ctrl
Action key pressed is :
```

Applet started.



16:55  
01-05-2023

## Java - expt2/src/expt2/frDemo.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access Java

```
frDemo.java
```

```
package expt2;
import java.awt.Color;
import java.awt.Frame;
import java.awt.Label;
import java.awt.event.MouseEvent;
import java.awt.event.MouseListener;
```

```
public class frDemo {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        final Frame fr=new Frame();

        final Label l1=new Label("First");
        final Label l2=new Label("Second");

        final Frame f =new Frame();

        f.setSize(300,300);
        fr.setSize(500, 500);
        fr.setVisible(true);

        fr.addMouseListener(new MouseListener() {

            public void mouseReleased(MouseEvent arg0) {
                // TODO Auto-generated method stub

            }

            public void mousePressed(MouseEvent arg0) {
                // TODO Auto-generated method stub
            }
        });
    }
}
```

Writable

Smart Insert

65 : 2

17:05  
01-05-2023

frDemo.java

```
public void mousePressed(MouseEvent arg0) {
    // TODO Auto-generated method stub
}

public void mouseExited(MouseEvent arg0) {
    // TODO Auto-generated method stub
    fr.setBackground(Color.PINK);
    f.setVisible(false);
    ll.setText("Mouse has exited");
}

public void mouseEntered(MouseEvent arg0) {
    // TODO Auto-generated method stub
    fr.setBackground(Color.WHITE);
    f.setVisible(true);
    f.setBackground(Color.green);
    ll.setText("Mouse is entered");
    ll.setBounds(20,20,150,100);
    fr.add(ll);
}

public void mouseClicked(MouseEvent arg0) {
    // TODO Auto-generated method stub
}
});
```

Writable

Smart Insert

65 : 2

Mouse has exited

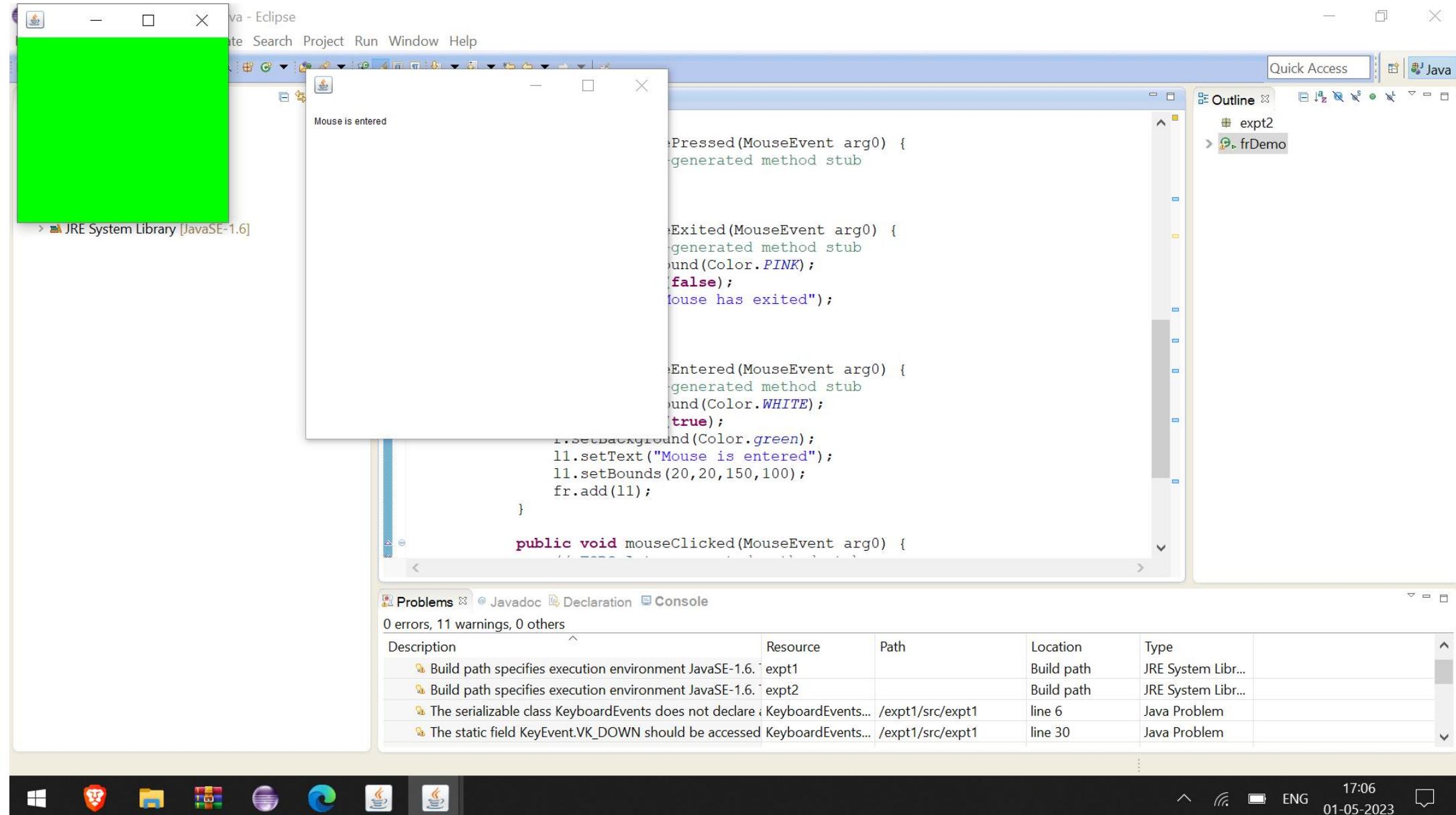
```
public class expt1 {
    public static void main(String[] args) {
        System.out.println("Hello Java");
    }
}

public class expt2 {
    public static void main(String[] args) {
        System.out.println("Hello Java");
    }
}
```

0 errors, 11 warnings, 0 others

Description	Resource	Path	Location	Type
Build path specifies execution environment JavaSE-1.6.	expt1		Build path	JRE System Libr...
Build path specifies execution environment JavaSE-1.6.	expt2		Build path	JRE System Libr...
The serializable class KeyboardEvents does not declare a serialVersionUID.	KeyboardEvents	/expt1/src/expt1	line 6	Java Problem
The static field KeyEvent.VK_DOWN should be accessed KeyboardEvents...	KeyEvent.VK_DOWN	/expt1/src/expt1	line 30	Java Problem

17:05 01-05-2023



The screenshot shows the Eclipse IDE interface with the following components:

- Package Explorer:** Shows the project structure with packages `expt1` and `expt2`, and source folder `src` containing file `frDemo.java`.
- Outline:** Shows the outline of the current file, including the `frDemo` class.
- Problems:** Shows 0 errors, 11 warnings, and 0 others.
- Java Application Window:** A window titled "Mouse has exited" is displayed, showing the code for a Java application that changes the background color of a frame based on mouse events.
- Code Editor:** Displays the Java code for `frDemo.java`:

```
    >Pressed(MouseEvent arg0) {  
    >generated method stub  
  
    >Exited(MouseEvent arg0) {  
    >generated method stub  
        l1.setBackground(Color.PINK);  
        l1.setOpaque(false);  
        l1.setText("mouse has exited");  
  
    >Entered(MouseEvent arg0) {  
    >generated method stub  
        l1.setBackground(Color.WHITE);  
        l1.setOpaque(true);  
        l1.setForeground(Color.green);  
        l1.setText("Mouse is entered");  
        l1.setBounds(20,20,150,100);  
        fr.add(l1);  
    }  
  
    public void mouseClicked(MouseEvent arg0) {  
    }  
}
```

StudentResult.java

```
package expt3;

import javax.swing.*;
public class StudentResult {
    // Function to write a student information in JFrame and storing it in a file
    public static void StudentInfo()
    { // Creating a new frame using JFrame
        final JFrame f = new JFrame("Student Result Form");
        // Creating the labels
        JLabel l1, l2, l3, l4, l5, l6, l7, l8, l9;
        // Creating three text fields for student name, college mail ID and for Mobile No
        final JTextField t1;
        final JTextField t2;
        final JTextField t3;
        final JTextField t4;
        final JTextField t5;
        final JTextField t6;
        final JTextField t7;
        // Creating two JComboBoxes for Branch and for Section
        final JComboBox j1;
        final JComboBox j2;
        // Creating two buttons
        final JButton b1;
        JButton b2;
        // Naming the labels and setting
        // the bounds for the labels
        l1 = new JLabel("Student Name:");
        l1.setBounds(50, 50, 100, 30);
        l2 = new JLabel("Branch:");
        l2.setBounds(50, 100, 120, 30);
        l3 = new JLabel("Div :");
        l3.setBounds(400, 50, 50, 30);
        l4 = new JLabel("Roll no:");
        l4.setBounds(400, 100, 70, 30);
        l5 = new JLabel(" MC:");
        l5.setBounds(400, 150, 50, 30);
```

Writable

Smart Insert

1:1



18:26

01-05-2023

## StudentResult.java

```
16.setBounds(50, 150, 70, 30);
17 = new JLabel("FJP:");
17.setBounds(400, 200, 70, 30);
18 = new JLabel("DC:");
18.setBounds(50, 200, 70, 30);
19 = new JLabel("DBMS:");
19.setBounds(400, 250, 70, 30);

t1 = new JTextField();
t1.setBounds(150, 50, 130, 30);
t2 = new JTextField();
t2.setBounds(450, 100, 130, 30);
t3 = new JTextField();
t3.setBounds(450, 150, 130, 30);
t4 = new JTextField();
t4.setBounds(100, 150, 130, 30);
t5 = new JTextField();
t5.setBounds(450, 200, 130, 30);
t6 = new JTextField();
t6.setBounds(100, 200, 130, 30);
t7 = new JTextField();
t7.setBounds(450, 250, 130, 30);

String s1[ ]
= { " ", "CSE", "ECE", "EEE",
"CIVIL", "MECH", "Others" };
String s2[ ]
= { " ", "Div-A", "Div-B", "Div-C"};
// Creating two JComboBoxes for selecting branch and other for selecting the section
// and setting the bounds
j1 = new JComboBox(s1);
j1.setBounds(100, 100, 100, 30);
j2 = new JComboBox(s2);
j2.setBounds(470, 50, 140, 30);
// Creating one button for Saving and other button to close
```

Student Result Form

Student Name:	<input type="text" value="xyz"/>	Div :	<input type="text" value="Div-A"/> ▼
Branch:	<input type="text" value="EEE"/> ▼	Roll no:	<input type="text" value="55"/>
EMF:	<input type="text" value="67"/>	MC:	<input type="text" value="67"/>
DC:	<input type="text" value="68"/>	FJP:	<input type="text" value="45"/>
DBMS:	<input type="text" value="47"/>		

Windows Taskbar icons: File Explorer, File Manager, Control Panel, Task View, Start button, Network, Battery, Volume, and a search bar.

System tray icons: Network, Battery, Volume, and a speech bubble icon.

System status: ENG, 17:25, 01-05-2023

Student Result Form

Student Name: xyz      Div : Div-A

Branch: EEE      Roll no: 55

EMF: 67      MC: 67

DC: 68      FJP: 45

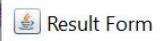
DBMS: 47

Message

Successfully Saved,:)

OK

Windows Taskbar icons: File Explorer, File Manager, Control Panel, Task View, Start button, Network, Battery, Volume, Network, Signal strength, ENG, Date/Time (01-05-2023), Chat bubble.



Result Form

- □ ×

Name is: xyz | Roll no is:55 | Branch is:EEE | Division is:Div-A | Marks of MC is:67 | Marks of EMF is:67 | Marks of DC is:45 | Marks of FJP is:68 | Marks of DBMS is:47 |

SQLPreparedStatementInsert.java

SQLPreparedStatementSelect.java

```
package expt4;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;
public class SQLPreparedStatementSelect {
    public static void main(String[] args) {
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection con=DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/test?characterEncoding=latin1","root","210702");

            PreparedStatement stmt = con.prepareStatement("select * from userinfo");
            ResultSet rs = stmt.executeQuery();
            while(rs.next())
            {
                System.out.println(rs.getString(1) + " " +
                    rs.getString(2) + " " + rs.getString(3) + " " +
                    rs.getString(4) + " ");
            }
            con.close();
        }
        catch(Exception e){
            System.out.println(e);
        }
    }
}
```

Writable

Smart Insert

12 : 75

SQLPreparedStatementInsert.java SQLPreparedStatementSelect.java

```
package expt4;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;
public class SQLPreparedStatementInsert {
    public static void main(String[] args) {
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection con=DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/test?characterEncoding=latin1","root","210702");
            PreparedStatement stmt = con.prepareStatement("insert into userinfo values (?,?,?,?,?,?)");
            stmt.setString(1, "user4");
            stmt.setString(2, "pass4");
            stmt.setString(3, "user4@gmail.com");
            stmt.setString(4, "Nagpur");
            stmt.setString(5, "60");
            int i = stmt.executeUpdate();
            System.out.println(i + "Records inserted..");
            con.close();
        }
        catch(Exception e){
            System.out.println(e);
        }
    }
}
```

# Java - expt4/src/expt4/SQLPreparedStatementInsert.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access



Problems @ Javadoc Declaration Console

<terminated> SQLPreparedStatementInsert [Java Application] C:\Program Files\Java\jre1.8.0\_202\bin\javaw.exe (01-May-2023 6:18:35 pm)

Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automatically registered ..  
1Records inserted..



18:19  
ENG  
01-05-2023

# Java - expt4/src/expt4/SQLPreparedStatementSelect.java - Eclipse



File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access



Problems @ Javadoc Declaration Console

<terminated> SQLPreparedStatementSelect [Java Application] C:\Program Files\Java\jre1.8.0\_202\bin\javaw.exe (01-May-2023 6:25:09 pm)

```
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automatically registered ^  
user1 pass1 abcd@gmail.com Pune  
user2 pass2 dhdjs@gmail.com Mumbai  
user3 pass3 dhjwgfe@gmail.com Chennai  
user4 pass4 eruygfekj@gmail.com Delhi  
user4 pass4 user4@gmail.com Nagpur  
user4 pass4 user4@gmail.com Nagpur  
user4 pass4 user4@gmail.com Nagpur  
user4 pass4 user4@gmail.com Nagpur
```



18:26  
ENG  
01-05-2023

```
Command Prompt - mysql -u root -p
| Database      |
+-----+
| information_schema |
| mysql          |
| performance_schema |
| student         |
| sys            |
| test           |
+-----+
6 rows in set (0.00 sec)
```

```
mysql> use test;
Database changed
mysql> show tables;
+-----+
| Tables_in_test |
+-----+
| userinfo       |
+-----+
1 row in set (0.00 sec)
```

```
mysql> describe userinfo;
+-----+-----+-----+-----+-----+-----+
| Field    | Type     | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| username | varchar(50) | NO   |   | NULL    |       |
| password | varchar(50) | NO   |   | NULL    |       |
| email    | varchar(40)  | YES  |   | NULL    |       |
| city     | varchar(30)  | YES  |   | NULL    |       |
| age      | int      | YES  |   | NULL    |       |
+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)
```



18:14  
01-05-2023

```
Command Prompt - mysql -u root -p
| age      | int      | YES   |      | NULL    |      |
+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> insert into userinfo values('user1', 'pass1', 'abcd@gmail.com', 'Pune', 35);
Query OK, 1 row affected (0.01 sec)

mysql> insert into userinfo values('user2', 'pass2', 'dhdjs@gmail.com', 'Mumbai', 40);
Query OK, 1 row affected (0.01 sec)

mysql> insert into userinfo values('user3', 'pass3', 'dhjwgfe@gmail.com', 'Chennai', 30);
Query OK, 1 row affected (0.01 sec)

mysql> insert into userinfo values('user4', 'pass4', 'eruygfekj@gmail.com', 'Delhi', 46);
Query OK, 1 row affected (0.01 sec)

mysql> select *userinfo;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right
syntax to use near 'userinfo' at line 1
mysql> select * userinfo;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right
syntax to use near 'userinfo' at line 1
mysql> select * from userinfo;
+-----+-----+-----+-----+-----+
| username | password | email           | city    | age   |
+-----+-----+-----+-----+-----+
| user1   | pass1   | abcd@gmail.com | Pune   | 35   |
| user2   | pass2   | dhdjs@gmail.com | Mumbai | 40   |
| user3   | pass3   | dhjwgfe@gmail.com | Chennai | 30   |
| user4   | pass4   | eruygfekj@gmail.com | Delhi | 46   |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```



18:17  
01-05-2023

The screenshot shows the Eclipse IDE interface with the following details:

- Title Bar:** Web - expt5/src/expt5/two.java - Eclipse
- Menu Bar:** File Edit Source Refactor Navigate Search Project Run Window Help
- Toolbar:** Standard Eclipse toolbar with various icons for file operations.
- Quick Access:** A dropdown menu showing "Java" and "Web" options.
- Left Sidebar:** Shows project structure with files: rmiserver.java, one.java, two.java, and rmiclient.java.
- Code Editor:** Displays Java code for the class `two`. The code implements the `one` interface and contains logic to check if a string is a palindrome.

```
package expt5;

import java.rmi.*;
import java.lang.*;
import java.rmi.server.*;
public class two extends UnicastRemoteObject implements one{
    public two() throws RemoteException { }
    @Override
    public int palin(String a) throws RemoteException {
        System.out.println("Hello");
        StringBuffer str = new StringBuffer(a);
        String str1 = str.toString();
        System.out.println("Print : " + str1.toString());
        StringBuffer str2 = str.reverse();
        System.out.println("Print : " + str2.toString());
        int b = str1.compareTo(str2.toString());
        System.out.println("Print : " + b);
        if (b == 0)
            return 1;
        else
            return 0;
    }
}
```

- Bottom Status Bar:** Shows "Writable", "Smart Insert", "24 : 2", and other status indicators.
- System Tray:** Shows standard Windows system tray icons (Windows logo, network, battery, etc.).
- System Clock:** Shows the date and time as 19:10 07-05-2023.



Web - expt5/src/expt5/one.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help



Quick Access

Java Web

rmiserver.java one.java two.java rmiclient.java

```
package expt5;

import java.rmi.*;

public interface one extends Remote
{
    public int palin(String a) throws RemoteException;
}
```



Writable

Smart Insert

8 : 2

19:10  
ENG  
07-05-2023



```
rmiserver.java x one.java two.java rmiclient.java
package expt5;
import java.io.*;
import java.lang.invoke.MethodHandles.Lookup;
import java.rmi.*;
import java.rmi.registry.*;
import java.rmi.server.*;

import java.net.*;
public class rmiserver
{
    public static void main(String args[]) throws Exception
    {
        try
        {
            two twox = new two();

            Registry registry = LocateRegistry.createRegistry(1880);

            String name="palin";
            registry.rebind(name, twox);
            System.out.println("Object registered");

        }

        catch(Exception e)
        {
            System.out.println("Exception" + e);
        }
    }
}
```

rmiserver.java one.java two.java rmiclient.java

```
package expt5;
import java.io.*;
import java.lang.invoke.MethodHandles.Lookup;
import java.rmi.*;
import java.rmi.registry.*;

import java.net.*;
public class rmiclient
{
    public static void main(String args[]) throws Exception
    {
        try
        {
            String name = "palin";
            Registry registry = LocateRegistry.getRegistry(1880);
            one pal = (one)registry.lookup(name);
            int m = pal.palin("madam");
            System.out.println("Print : " + m);
            if (m == 1)

            {
                System.out.println("The given string is a Palindrome");
            }
            else
            {
                System.out.println("The given string is not a Palindrome");
            }
        }
        catch (Exception e)
        {
            System.out.println("Exception" + e);
        }
    }
}
```

Writable

Smart Insert

3 : 46

19:11  
07-05-2023

Web - expt5/src/expt5/two.java - Eclipse



File Edit Source Refactor Navigate Search Project Run Window Help



Quick Access

Java Web

Problems Servers Properties Console

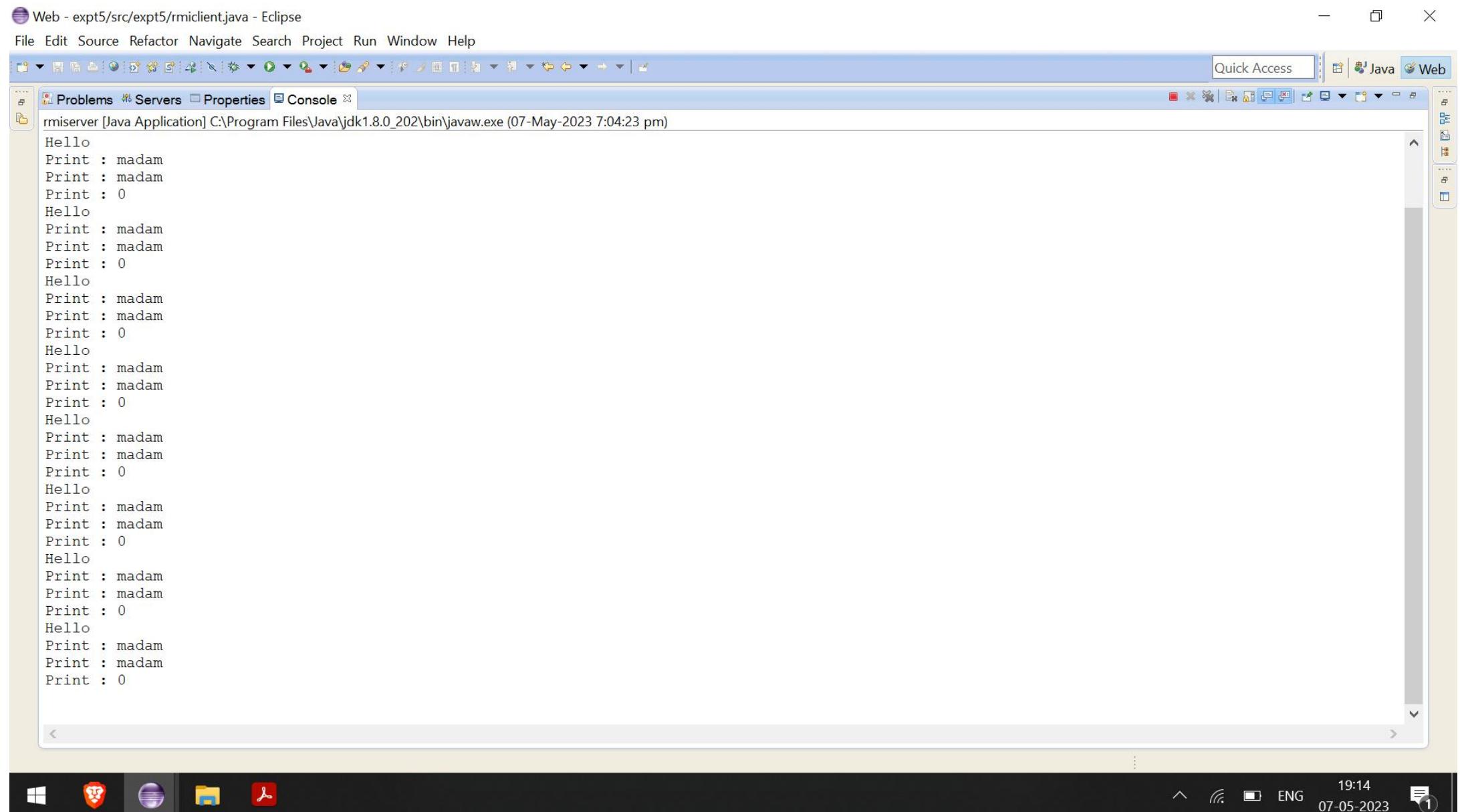
<terminated> rmiclient [Java Application] C:\Program Files\Java\jdk1.8.0\_202\bin\javaw.exe (07-May-2023 7:12:16 pm)

Print : 1

The given string is a Palindrome



19:12  
ENG  
07-05-2023  
1



Java - expt6/src/expt6/InetDemo.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

The screenshot shows the Eclipse IDE interface with the title bar "Java - expt6/src/expt6/InetDemo.java - Eclipse". The menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The toolbar has various icons for file operations like Open, Save, Cut, Copy, Paste, Find, and Run. The top right features a "Quick Access" button and icons for Java and Web. The left sidebar shows two open files: "InetDemo.java" and "InetDemo2.java". The main editor area contains the following Java code:

```
package expt6;
import java.io.*;
import java.net.*;
public class InetDemo {
    public static void main(String[] args) {
        try{
            InetAddress ip=InetAddress.getByName("engg.dypvp.edu.in");
            System.out.println("Host Name: "+ip.getHostName());
            System.out.println("IP Address:"+ip.getHostAddress());
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
    }
}
```

Writable

Smart Insert

15 : 1

19:52  
07-05-2023



```
IInetDemo.java IInetDemo2.java
package expt6;
import java.io.*;
import java.net.*;
import java.util.*;
public class InetDemo2 {
    public static void main(String[] args) throws UnknownHostException
    {
        InetAddress address1 = InetAddress.getLocalHost();
        System.out.println("InetAddress of Local Host : " + address1);
        InetAddress address2 = InetAddress.getByName("45.22.30.39");
        System.out.println("InetAddress of Named Host : " + address2);
        InetAddress address3[] = InetAddress.getAllByName("172.19.25.29");
        for (int i = 0; i < address3.length; i++) {
            System.out.println("ALL InetAddresses of Named Host : " + address3[i]);
        }
        byte IPAddress[] = { 125, 0, 0, 1 };
        InetAddress address4 = InetAddress.getByAddress(IPAddress);
        System.out.println("InetAddresses of Host with specified IP Address : " + address4);
        byte[] IPAddress2 = { 105, 22, (byte)223, (byte)186 };
        InetAddress address5 = InetAddress.getByAddress( "engg.dypvp.edu.in", IPAddress2 );
        System.out.println("InetAddresses of Host with specified IP Address and hostname : " + address5);
    }
}
```

Writable

Smart Insert

7:2



# Java - expt6/src/expt6/InetDemo.java - Eclipse



File Edit Source Refactor Navigate Search Project Run Window Help



Quick Access



Problems @ Javadoc Declaration Console Servers

<terminated> InetDemo [Java Application] C:\Program Files\Java\jdk1.8.0\_202\bin\javaw.exe (07-May-2023 7:51:55 pm)

Host Name: engg.dypvp.edu.in

IP Address:14.143.170.15

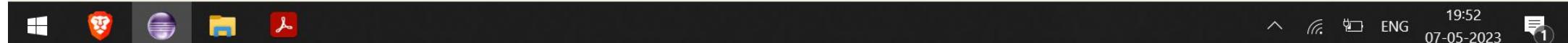


19:52  
07-05-2023

# Java - expt6/src/expt6/InetDemo2.java - Eclipse



```
<terminated> InetDemo2 [Java Application] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (07-May-2023 7:52:38 pm)
InetAddress of Local Host : DESKTOP-7LDKQU4/192.168.99.14
InetAddress of Named Host : /45.22.30.39
All InetAddresses of Named Host : /172.19.25.29
InetAddresses of Host with specified IP Address : /125.0.0.1
InetAddresses of Host with specified IP Address and hostname : engg.dypvp.edu.in/105.22.223.186
```



eclipse-workspace - Pr7/src/main/java/com/servlet/Validation.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Validation.java × Login.html web.xml

```
1 package com.servlet;
2 import java.io.*;
3 public class Validation extends GenericServlet
4 {
5     public void service(ServletRequest req, ServletResponse res) throws ServletException, IOException
6     {
7         PrintWriter pw = res.getWriter();
8         String x = req.getParameter("user");
9         String y = req.getParameter("pwd");
10        if(x.equals("admin") && y.equals("admin"))
11            pw.println("<font color='green' size='5'>Welcome to this webpage</font>");
12        else
13            pw.println("<font color='red' size='5'>Invalid username or password</font>");
14        pw.close();
15    }
16 }
```

Writable | Smart Insert | 1:1:0

Windows Taskbar icons: File Explorer, Task View, Start, Taskbar settings, Network, Battery, Volume, Date/Time (11:05, 08-05-2023)

eclipse-workspace - Pr7/src/main/webapp/Login.html - Eclipse IDE

File Edit Source Source Navigate Search Project Run Window Help

Validation.java Login.html web.xml

```
1<html>
2 <head><title>login</title></head>
3<body>
4<form name="Login form" method="post" action = "./MySrv">
5 <br/><br/><br/><br/>
6<table align="center" border="3" border color="blue" cellspacing="0" height="120">
7 <tr><td align="center"><font color="blue" size="4">LOGIN FORM</font></td></tr>
8<tr><td><table><tr><td>UserName</td><td><input type="text" name="user"/></td></tr>
9 <tr><td>Password</td><td><input type="password" name="pwd"/></td></tr>
10 <tr><td align="center"><input type="submit" value="LOGIN"/></td><td align="center"><input type="Reset" value="RESET"/></td></tr>
11 </table></td></tr></table></form></body>
12 </html>
```

html | Writable | Smart Insert | 1:1:0

Windows 11 icons: File Explorer, Task View, Start, Power, Network, Sound, Volume, Battery, Signal, Network, ENG, 11:05, 08-05-2023

eclipse-workspace - Pr7/src/main/webapp/WEB-INF/web.xml - Eclipse IDE

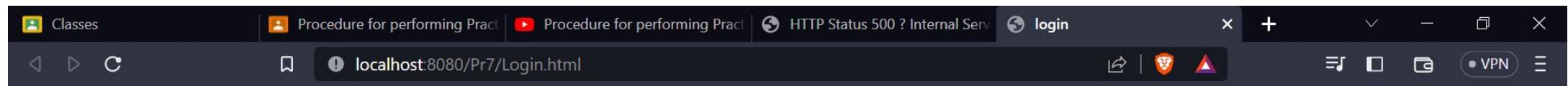
File Edit Source Navigate Search Project Run Window Help

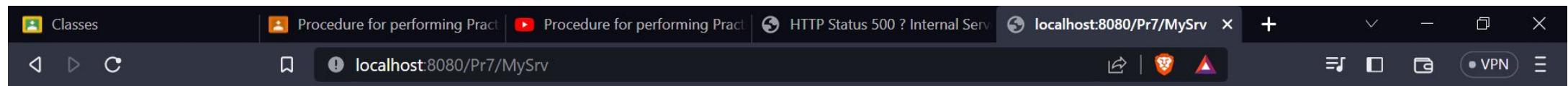
Validation.java Login.html web.xml

```
1<web-app>
2<servlet>
3<servlet-name>logindemo</servlet-name>
4<servlet-class>com.servlet.Validation</servlet-class>
5</servlet>
6<servlet-mapping>
7<servlet-name>logindemo</servlet-name>
8<url-pattern>/MySrv</url-pattern>
9</servlet-mapping>
10</web-app>
```

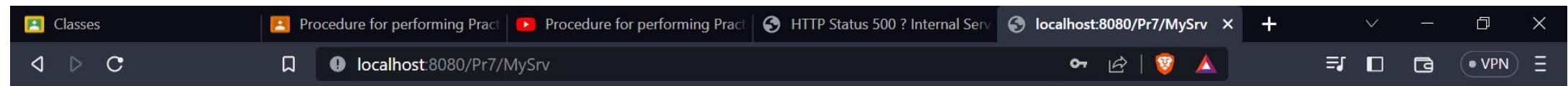
Writable Insert 10 : 11 : 253

Windows Taskbar icons: File Explorer, Task View, Start, Taskbar settings, Network, Battery, Volume, Date/Time (11:05, 08-05-2023)





Welcome to this webpage



Invalid username or password

eclipse-workspace - prac9/src/main/webapp/prac9.jsp - Eclipse IDE

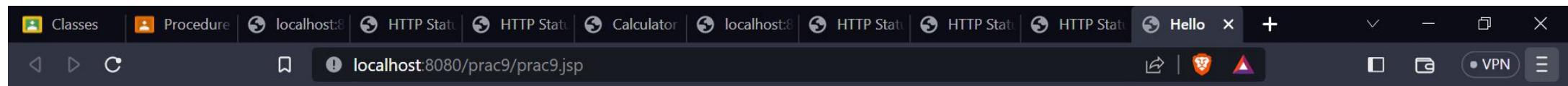
File Edit Source Refactor Navigate Project Run Window Help

CalculatorServer.java Index.html web.xml prac9.jsp

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2     pageEncoding="ISO-8859-1"%>
3 <!DOCTYPE html>
4<html>
5<head>
6 <meta charset="ISO-8859-1">
7 <title>Hello</title>
8 </head>
9<body>
10 <h1>Hello T.E. Students,Welcome to DIT</h1>
11<%
12 System.out.println("This Webpage is produced by JSP");
13 %>
14 </body>
15 </html>
```

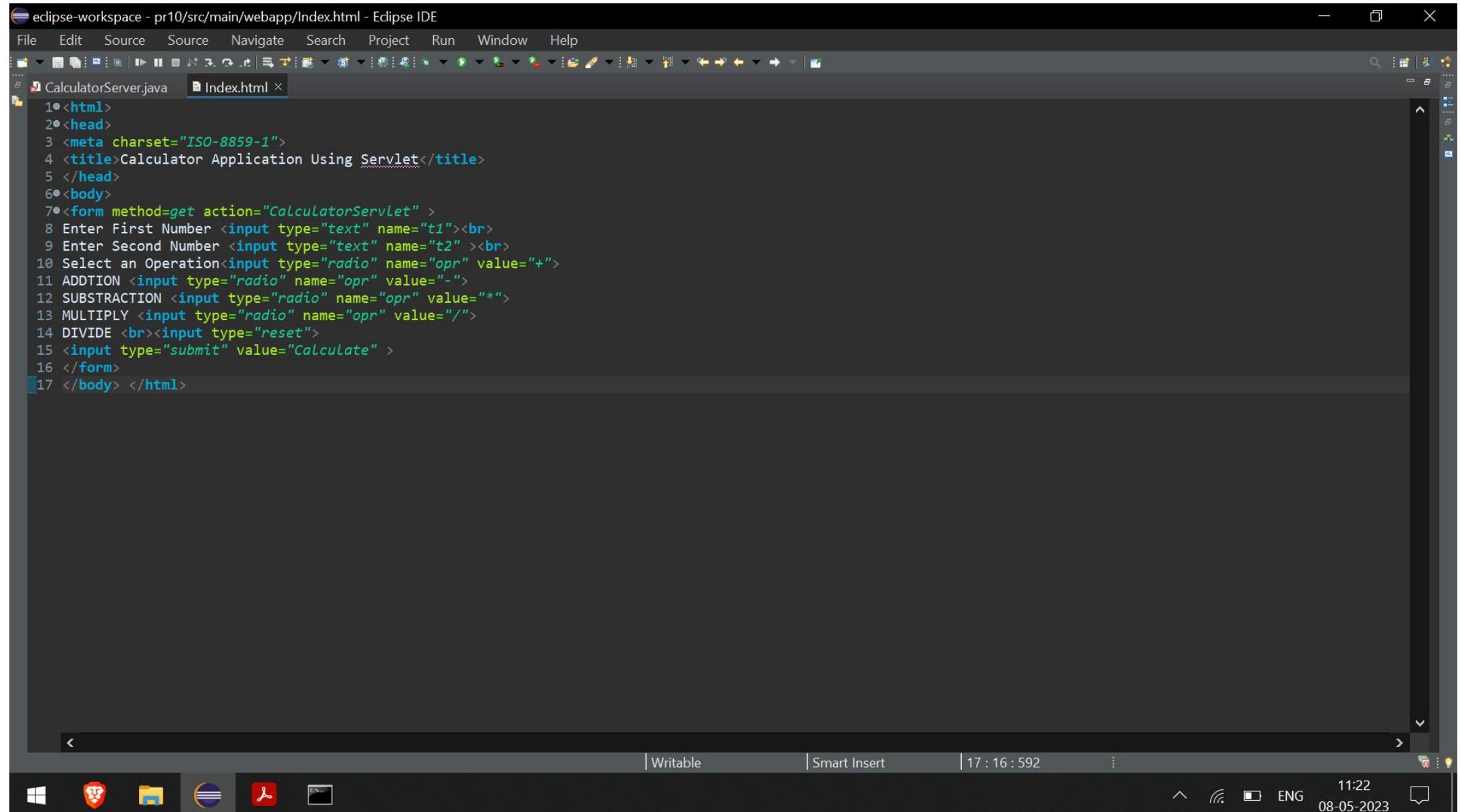
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12:00 ENG 08-05-2023



Hello T.E. Students,Welcome to DIT





eclipse-workspace - pr10/src/main/java/com/servlet/CalculatorServer.java - Eclipse IDE

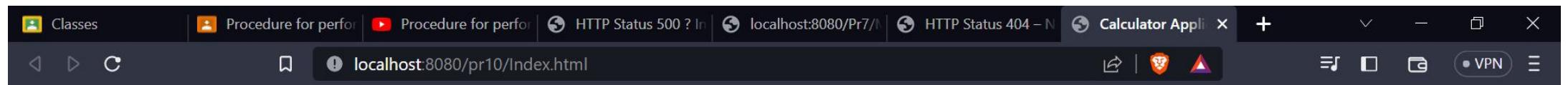
File Edit Source Refactor Navigate Search Project Run Window Help

CalculatorServer.java × Index.html

```
1 package com.servlet;
2 import java.io.*;
3 import javax.servlet.*;
4 import java.servlet.http.*;
5 public class CalculatorServlet extends HttpServlet {
6     public void doGet(HttpServletRequest req, HttpServletResponse res) throws ServletException {
7         int result = 0;
8         try {
9             String number1 = req.getParameter("num1");
10            String number2 = req.getParameter("num2");
11            String operator = req.getParameter("op");
12            int x = Integer.parseInt(number1);
13            int y = Integer.parseInt(number2);
14            if(operator == "+") {
15                result = x + y;
16            }
17            else if(operator == "-") {
18                result = x - y;
19            }
20            else if(operator == "*") {
21                result = x * y;
22            }
23            else if(operator == "/") {
24                result = x/y;
25            }
26            PrintWriter p = res.getWriter();
27            p.println(result);
28        }
29        catch(Exception e) {}
30    }
31 }
```

Writable Smart Insert | 31 : 2 : 739

11:22 08-05-2023 ENG

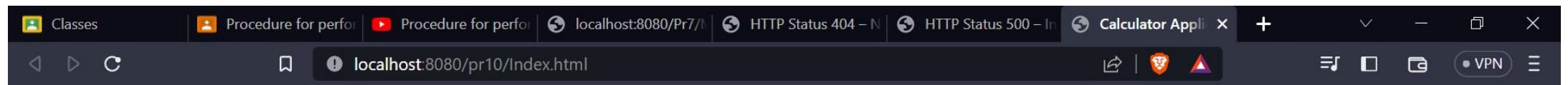


Enter First Number

Enter Second Number

Select an Operation  ADDITION  SUBTRACTION  MULTIPLY  DIVIDE





Enter First Number 23

Enter Second Number 43

Select an Operation  ADDITION  SUBTRACTION  MULTIPLY  DIVIDE

Reset

Calculate

