

Student Class :

```
package project;

public class Student {

    String name;
    int matric;
    String program;
    double coursework;
    double exam;

    public Student (String n, int m, String p, double c, double e){
        name = n;
        matric = m;
        program = p;
        coursework = c;
        exam = e;
    }

    public String computeGrade(){
        double totalmark;
        String grade;

        totalmark = (coursework*0.6) + (exam*0.4);

        if(totalmark >= 90){
            grade = "A+";
        }
        else if(totalmark >= 80){
            grade = "A";
        }
    }
}
```

```
}  
else if(totalmark >= 75){  
    grade = "A-";  
}  
else if(totalmark >= 70){  
    grade = "B+";  
}  
else if(totalmark >= 65){  
    grade = "B";  
}  
else if(totalmark >= 60){  
    grade = "B-";  
}  
else if(totalmark >= 55){  
    grade = "C+";  
}  
else if(totalmark >= 50){  
    grade = "C";  
}  
else if(totalmark >= 45){  
    grade = "C-";  
}  
else if(totalmark >= 40){  
    grade = "D+";  
}  
else if(totalmark >= 35){  
    grade = "D";  
}  
else{  
    grade = "F";  
}
```

```
        return grade;
    }

    public String getStudent(){
        return name;
    }

    public int getMatric(){
        return matric;
    }

    public double getCoursework(){
        return coursework;
    }

    public double getExam(){
        return exam;
    }

    public String getProgram(){
        return program;
    }
}
```

Application Student info system GUI :

```
package project;

import javax.swing.JOptionPane;

public class StudentInfoSys extends javax.swing.JFrame {

    private Student [] studentArray = new Student [1000];
    private int studentIndex = 0;

    public StudentInfoSys() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        buttonGroup1 = new javax.swing.ButtonGroup();
        jOptionPane1 = new javax.swing.JOptionPane();
        jScrollPane2 = new javax.swing.JScrollPane();
        jTable1 = new javax.swing.JTable();
        jOptionPane2 = new javax.swing.JOptionPane();
        jOptionPane3 = new javax.swing.JOptionPane();
        jOptionPane4 = new javax.swing.JOptionPane();
        jOptionPane5 = new javax.swing.JOptionPane();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
    }
}
```

```

jLabel5 = new javax.swing.JLabel();
mathRB = new javax.swing.JRadioButton();
multiRB = new javax.swing.JRadioButton();
indRB = new javax.swing.JRadioButton();
nameTF = new javax.swing.JTextField();
matricTF = new javax.swing.JTextField();
courseworkTF = new javax.swing.JTextField();
examTF = new javax.swing.JTextField();
displayBTN = new javax.swing.JButton();
resetBTN = new javax.swing.JButton();
addBTN = new javax.swing.JButton();
jScrollPane1 = new javax.swing.JScrollPane();
outputTA = new javax.swing.JTextArea();
searchBTN = new javax.swing.JButton();
showBTN = new javax.swing.JButton();
exitBTN = new javax.swing.JButton();

jTable1.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
jScrollPane2.setViewportViewView(jTable1);

jOptionPane2.setName(""); // NOI18N
jOptionPane2.getAccessibleContext().setAccessibleName("");

```

```

jOptionPane2.getAccessibleContext().setAccessibleDescription("");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("Student Infomation System");

jLabel1.setText("Name :");

jLabel2.setText("Matric. No :");

jLabel3.setText("Program :");

jLabel4.setText("Total Course Work Mark : ");

jLabel5.setText("Final Exam Mark : ");

buttonGroup1.add(mathRB);
mathRB.setText("B.Sc.Math");
mathRB.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        mathRBActionPerformed(evt);
    }
});

buttonGroup1.add(multiRB);
multiRB.setText("B.Sc.Multimedia");

buttonGroup1.add(indRB);
indRB.setText("B.Sc.Ind");

nameTF.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        nameTFActionPerformed(evt);
    }
});

```

```

    }
});

displayBTN.setText("Display");
displayBTN.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        displayBTNActionPerformed(evt);
    }
});

resetBTN.setText("Reset");
resetBTN.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        resetBTNActionPerformed(evt);
    }
});

addBTN.setText("Add");
addBTN.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        addBTNActionPerformed(evt);
    }
});

outputTA.setColumns(20);
outputTA.setRows(5);
jScrollPane1.setViewportView(outputTA);

searchBTN.setText("Search");
searchBTN.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        searchBTNActionPerformed(evt);
    }
});

```

```

    }
});

showBTN.setText("Show");
showBTN.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        showBTNActionPerformed(evt);
    }
});

exitBTN.setText("Exit");
exitBTN.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        exitBTNActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(42, 42, 42)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            )
        )
);

```



```

        .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(nameTF)

        .addComponent(matricTF)

        .addComponent(courseworkTF)

        .addGroup(layout.createSequentialGroup())

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
NG)

            .addComponent(indRB)

            .addComponent(multiRB)

            .addComponent(mathRB))

        .addGap(0, 0, Short.MAX_VALUE))

        .addComponent(examTF))

    .addGap(76, 76, 76))

    .addGroup(layout.createSequentialGroup())

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 402,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
layout.createSequentialGroup())

            .addComponent(addBTN, javax.swing.GroupLayout.PREFERRED_SIZE, 76,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addComponent(displayBTN, javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addComponent(resetBTN, javax.swing.GroupLayout.PREFERRED_SIZE, 76,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addComponent(searchBTN, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

```

```

        .addComponent(showBTN, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addComponent(exitBTN, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(42, 42, 42))))

);

layout.setVerticalGroup(

    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(layout.createSequentialGroup())

            .addContainerGap(34, Short.MAX_VALUE)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                .addComponent(jLabel1)

                .addComponent(nameTF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                .addComponent(jLabel2)

                .addComponent(matricTF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                .addComponent(jLabel3)

                .addComponent(mathRB))

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addComponent(multiRB)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addComponent(indRB)

            .addGap(14, 14, 14)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                .addComponent(courseworkTF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(jLabel4))

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addComponent(jLabel5)

        .addComponent(examTF, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(26, 26, 26)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

            .addComponent(displayBTN)

            .addComponent(resetBTN)

            .addComponent(addBTN)

            .addComponent(searchBTN)

            .addComponent(showBTN))

        .addGap(18, 18, 18)

        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 153,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

        .addComponent(exitBTN)

        .addGap(18, 18, 18))

    );

    pack();
} // </editor-fold>

```

```

private void mathRBActionPerformed(java.awt.event.ActionEvent evt) {

}

```

```

private void nameTFActionPerformed(java.awt.event.ActionEvent evt) {

}

```

```

private void resetBTNActionPerformed(java.awt.event.ActionEvent evt) {

    studentIndex = 0;

    JOptionPane.showMessageDialog(null, "The data is reset.");
}

```

```

        outputTA.setText("");
    }

    private void addBTNActionPerformed(java.awt.event.ActionEvent evt) {
        String name = nameTF.getText();
        int matric = Integer.parseInt(matricTF.getText());
        double coursework = Double.parseDouble(courseworkTF.getText());
        double exam = Double.parseDouble(examTF.getText());
        boolean result = true;
        String program = "";

        if((coursework < 0) || (coursework > 100)){
            JOptionPane.showMessageDialog(null,"Please enter a valid coursework marks. ");
            result = false;
        }

        if((exam < 0) || (exam > 100)){
            JOptionPane.showMessageDialog(null,"Please enter a valid exam marks. ");
            result = false;
        }

        if(mathRB.isSelected() == true){
            program = "B.Sc.Math";
        }
        else if(multiRB.isSelected() == true){
            program = "B.Sc.Multimedia";
        }
        else if(indRB.isSelected() == true){
            program = "B.Sc. Ind";
        }
    }

```

```

else {
    JOptionPane.showMessageDialog(null, "Please select the course");
    result = false;
}

if(result == true){
    outputTA.setText("One student information is successfully added.\n");
    studentArray[studentIndex] = new Student(name, matric, program, coursework, exam);
    studentIndex++;
}else{
    outputTA.setText("The student data is not created. \n");
}

nameTF.setText("");
matricTF.setText("");
courseworkTF.setText("");
examTF.setText("");
buttonGroup1.clearSelection();
outputTA.append("Number of student data added = " + studentIndex );

}

private void displayBTNActionPerformed(java.awt.event.ActionEvent evt) {

    outputTA.setText("Displaying student data: \n \n");

    for (int i = 0; i < studentIndex; i++) {
        outputTA.append("Name : " + studentArray[i].getStudent() + "\n");
        outputTA.append("Matric No. : " + studentArray[i].getMatric() + "\n");
        outputTA.append("Program : " + studentArray[i].getProgram() + "\n");
        outputTA.append("Total Course work mark : " + studentArray[i].getCoursework() + "\n");
    }
}

```

```

        outputTA.append("Final exam mark : " + studentArray[i].getExam() + "\n");
        outputTA.append("Grade : " + studentArray[i].computeGrade() + "\n");
        outputTA.append("===== \n");
    }
}

private void searchBTNActionPerformed(java.awt.event.ActionEvent evt) {
    int matric = Integer.parseInt(JOptionPane.showInputDialog("Please enter the Matric No."));

    for (int i = 0; i < studentIndex; i++) {
        if (matric == studentArray[i].getMatric()) {
            outputTA.setText("Name : " + studentArray[i].getStudent() + "\n");
            outputTA.append("Matric No. : " + studentArray[i].getMatric() + "\n");
            outputTA.append("Program : " + studentArray[i].getProgram() + "\n");
            outputTA.append("Total Course work mark : " + studentArray[i].getCoursework() + "\n");
            outputTA.append("Final exam mark : " + studentArray[i].getExam() + "\n");
            outputTA.append("Grade : " + studentArray[i].computeGrade() + "\n");
        }
    }
}

private void showBTNActionPerformed(java.awt.event.ActionEvent evt) {
    outputTA.setText("The distribution is as follow: \n \n");

    int aPlus = 0;
    int a = 0;
    int aMinus = 0;
    int bPlus = 0;
    int b = 0;
    int bMinus = 0;

```

```

int cPlus = 0;

int c = 0;

int cMinus = 0;

int dPlus = 0;

int d = 0;

int f = 0;

for (int i = 0; i < studentIndex; i++) {
    switch(studentArray[i].computeGrade()){
        case "A+" : aPlus++; break;
        case "A" : a++; break;
        case "A-" : aMinus++; break;
        case "B+" : bPlus++; break;
        case "B" : b++; break;
        case "B-" : bMinus++; break;
        case "C+" : cPlus++; break;
        case "C" : c++; break;
        case "C-" : cMinus++; break;
        case "D+" : dPlus++; break;
        case "D" : d++; break;
        default : f++; break;
    }
}

outputTA.append("The total number of Grade A+ is " + aPlus + "\n");
outputTA.append("The total number of Grade A is " + a + "\n");
outputTA.append("The total number of Grade A- is " + aMinus + "\n");
outputTA.append("The total number of Grade B+ is " + bPlus + "\n");
outputTA.append("The total number of Grade B is " + b + "\n");
outputTA.append("The total number of Grade B- is " + bMinus + "\n");
outputTA.append("The total number of Grade C+ is " + cPlus + "\n");
outputTA.append("The total number of Grade C is " + c + "\n");

```

```

        outputTA.append("The total number of Grade C- is " + cMinus + "\n");
        outputTA.append("The total number of Grade D+ is " + dPlus + "\n");
        outputTA.append("The total number of Grade D is " + d + "\n");
        outputTA.append("The total number of Grade F is " + f + "\n");
    }

    private void exitBTNActionPerformed(java.awt.event.ActionEvent evt) {
        System.exit(1);
    }

    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

            java.util.logging.Logger.getLogger(StudentInfoSys.class.getName()).log(java.util.logging.Level.SEVERE
                , null, ex);

        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(StudentInfoSys.class.getName()).log(java.util.logging.Level.SEVERE
                , null, ex);

```



```

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(StudentInfoSys.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(StudentInfoSys.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);

    }
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(() -> {
    new StudentInfoSys().setVisible(true);
});
}

// Variables declaration - do not modify
private javax.swing.JButton addBTN;
private javax.swing.ButtonGroup buttonGroup1;
private javax.swing.JTextField courseworkTF;
private javax.swing.JButton displayBTN;
private javax.swing.JTextField examTF;
private javax.swing.JButton exitBTN;
private javax.swing.JRadioButton indRB;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JOptionPane jOptionPane1;
private javax.swing.JOptionPane jOptionPane2;
private javax.swing.JOptionPane jOptionPane3;
private javax.swing.JOptionPane jOptionPane4;

```

```
private javax.swing.JOptionPane jOptionPane5;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JTable jTable1;
private javax.swing.JRadioButton mathRB;
private javax.swing.JTextField matricTF;
private javax.swing.JRadioButton multiRB;
private javax.swing.JTextField nameTF;
private javax.swing.JTextArea outputTA;
private javax.swing.JButton resetBTN;
private javax.swing.JButton searchBTN;
private javax.swing.JButton showBTN;
// End of variables declaration
}
```

When adding the student information:

Student Information System

Name :

Matric. No :

Program : ☒ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

Student Information System

Name :

Matric. No :

Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

One student information is successfully added.
Number of student data added = 1

Student Information System

Name :

Matric. No :

Program : ☒ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

One student information is successfully added.
Number of student data added = 1

Student Information System

Name :

Matric. No :

Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

One student information is successfully added.
Number of student data added = 2

When adding an invalid information:

Student Information System

Name :

Matric. No :

Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

One student information is successfully added.
Number of student data added = 2

Student Information System

Name :

Matric. No :


Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

One student information is successfully added.
Number of student data added = 2

Message

 Please select the course

Student Information System

Name :

Matric. No :

Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☒ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

The student data is not created.
Number of student data added = 2

Student Information System

Name :

Matric. No :


Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☒ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

The student data is not created.
Number of student data added = 2

Message

 Please enter a valid coursework marks.

Student Information System

Name : Muthu

Matric. No : 252439

Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☒ B.Sc.Ind

Total Course Work Mark : 80

Final Exam Mark : 700

Add Display Reset Search Show

The student data is not created.
Number of student data added = 2

Exit

Student Information System

Name : Muthu

Matric. No : 252439

Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☒ B.Sc.Ind

Total Course Work Mark : 80

Final Exam Mark : 700

Add Display Reset Search Show

The student data is not created.
Number of student data added = 2

Exit

Message

Please enter a valid exam marks.

OK

When Displaying the student information:

Student Information System

Name :

Matric. No :

Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

Displaying student data:

Name : Ali
Matric No. : 275689
Program : B.Sc.Math
Total Course work mark : 89.0
Final exam mark : 90.0
Grade : A
=====

Student Information System

Name :

Matric. No :

Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

Name : Leong
Matric No. : 241483
Program : B.Sc.Math
Total Course work mark : 56.0
Final exam mark : 79.0
Grade : B
=====

Name : Muthu
Matric No. : 252439

Student Information System

Name :

Matric. No :

Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

=====

Name : Muthu
Matric No. : 252439
Program : B.Sc. Ind
Total Course work mark : 80.0
Final exam mark : 70.0
Grade : A-
=====

When searching a student based on matric number :

Student Information System

Name :

Matric. No :

Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work :

Final Exam Mark :

Final exam mark : 90.0
Grade : A
=====

Name : Leong
Matric No. : 241483
Program : B.Sc.Math
Total Course work mark : 56.0
Final exam mark : 79.0
Grade : B

Student Information System

Name :

Matric. No :

Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work :

Final Exam Mark :

Final exam mark : 90.0
Grade : A
=====

Name : Leong
Matric No. : 241483
Program : B.Sc.Math
Total Course work mark : 56.0
Final exam mark : 79.0
Grade : B

Student Information System

Name :

Matric. No :

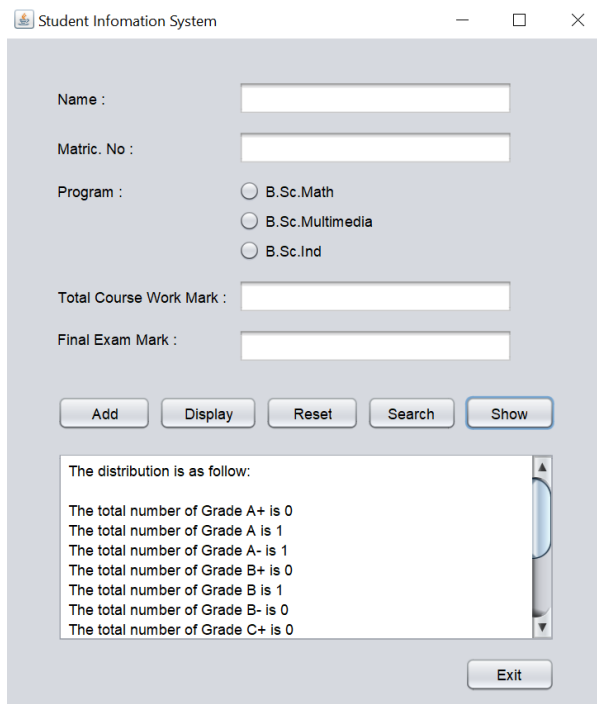
Program : ☐ B.Sc.Math
☐ B.Sc.Multimedia
☐ B.Sc.Ind

Total Course Work Mark :

Final Exam Mark :

Name : Muthu
Matric No. : 252439
Program : B.Sc. Ind
Total Course work mark : 80.0
Final exam mark : 70.0
Grade : A-

When showing the grade distribution :



The screenshot shows a window titled "Student Information System" with standard window controls (minimize, maximize, close). The window contains several input fields and buttons. The input fields are for "Name", "Matric. No", "Total Course Work Mark", and "Final Exam Mark". The "Program" field has three radio button options: "B.Sc.Math", "B.Sc.Multimedia", and "B.Sc.Ind". Below the input fields are five buttons: "Add", "Display", "Reset", "Search", and "Show". The "Show" button is highlighted with a blue border. Below the buttons is a text area with a vertical scrollbar. The text area contains the following text:

The distribution is as follow:

- The total number of Grade A+ is 0
- The total number of Grade A is 1
- The total number of Grade A- is 1
- The total number of Grade B+ is 0
- The total number of Grade B is 1
- The total number of Grade B- is 0
- The total number of Grade C+ is 0

At the bottom right of the window is an "Exit" button.