

LOGIN CLASS:

```
package universitymanagementsystem;
```

```
import javax.swing.*;
```

```
import java.awt.*;
```

```
import java.awt.event.*;
```

```
import java.sql.*;
```

```
public class Login extends JFrame implements ActionListener{
```

```
    JButton login, cancel;
```

```
    JTextField tfusername, tfpassword;
```

```
    Login () {
```

```
        getContentPane().setBackground(Color.WHITE);
```

```
        setLayout(null);
```

```
        JLabel lblusername = new JLabel("USERNAME");
```

```
        lblusername.setBounds(40, 20, 100, 20);
```

```
        add(lblusername);
```

```
        tfusername = new JTextField();
```

```
        tfusername.setBounds(150, 20, 150, 20);
```

```
        add(tfusername);
```

```
        JLabel lblpassword = new JLabel("PASSWORD");
```

```
        lblpassword.setBounds(40, 70, 100, 20);
```

```
        add(lblpassword);
```

```
        tfpassword = new JPasswordField();
```

```
        tfpassword.setBounds(150, 70, 150, 20);
```

```
        add(tfpassword);
```

```
        login = new JButton("Login");
```

```
        login.setBounds(40, 140, 120, 30);
```

```
        login.setBackground(Color.BLACK);
```

```
        login.setForeground(Color.WHITE);
```

```
        login.addActionListener(this);
```

```
        login.setFont(new Font("Tahoma", Font.BOLD, 15));
```

```
        add(login);
```

```
        cancel = new JButton("Cancel");
```

```
        cancel.setBounds(180, 140, 120, 30);
```

```
        cancel.setBackground(Color.RED);
```

```
        cancel.setForeground(Color.YELLOW);
```

```
        cancel.addActionListener(this);
```

```
        cancel.setFont(new Font("Tahoma", Font.BOLD, 15));
```

```
        add(cancel);
```

```
        ImageIcon i1 = new ImageIcon(ClassLoader.getResource("icons/loginimp.jpg"));
```

```
        Image i2 = i1.getImage().getScaledInstance(200, 200, Image.SCALE_DEFAULT);
```

```
        ImageIcon i3 = new ImageIcon(i2);
```

```
        JLabel image = new JLabel(i3);
```

```
        image.setBounds(350, 0, 200, 200);
```

```
        add(image);
```

```
        setSize(600, 300);
```

```
        setLocation(500, 250);
```

```
        setVisible(true);
```

```
    }
```

```
    public void actionPerformed(ActionEvent ae) {
```

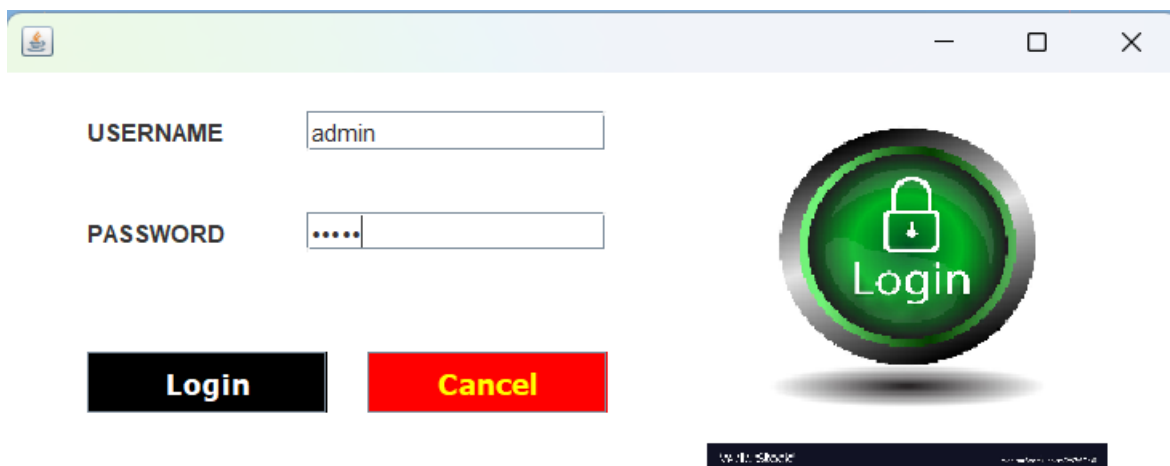
```
        if (ae.getSource() == login) {
```

```
            String username = tfusername.getText();
```

```
            String password = tfpassword.getText();
```

```
String query = "select * from login where username='"+username+"' and  
password='"+password+"'";
```

```
try {  
    Conn c = new Conn();  
    ResultSet rs = c.s.executeQuery(query);  
  
    if (rs.next()) {  
        setVisible(false);  
        new Project();  
    } else {  
        JOptionPane.showMessageDialog(null, "Invalid username or password");  
        setVisible(false);  
    }  
  
} catch (Exception e) {  
    e.printStackTrace();  
}  
} else if (ae.getSource() == cancel) {  
    setVisible(false);  
}  
}  
  
public static void main(String[] args) {  
    new Login();  
}  
}
```



PROJECT CLASS:

```
package universitymanagementsystem;
```

```
import javax.swing.*;
```

```
import java.awt.*;
```

```
import java.awt.event.*;
```

```
public class Project extends JFrame implements ActionListener {
```

```
    Project() {  
        setSize(1540, 850);
```

```
        ImageIcon i1 = new  
ImageIcon(ClassLoader.getResource("icons/UNIVERSITY.jpg"));  
        Image i2 = i1.getImage().getScaledInstance(1500, 750, Image.SCALE_DEFAULT);  
        ImageIcon i3 = new ImageIcon(i2);  
        JLabel image = new JLabel(i3);  
        add(image);
```

```
        JMenuBar mb = new JMenuBar();
```

```
        // New Information  
        JMenu newInformation = new JMenu("New Information");  
        newInformation.setForeground(Color.BLUE);  
        mb.add(newInformation);
```

```
        JMenuItem facultyInfo = new JMenuItem("New Faculty Information");  
        facultyInfo.setBackground(Color.WHITE);  
        facultyInfo.addActionListener(this);  
        newInformation.add(facultyInfo);
```

```
        JMenuItem studentInfo = new JMenuItem("New Student Information");  
        studentInfo.setBackground(Color.WHITE);  
        studentInfo.addActionListener(this);  
        newInformation.add(studentInfo);
```

```
        // Details  
        JMenu details = new JMenu("View Details");  
        details.setForeground(Color.RED);  
        mb.add(details);
```

```
        JMenuItem facultydetails = new JMenuItem("View Faculty Details");  
        facultydetails.setBackground(Color.WHITE);  
        facultydetails.addActionListener(this);  
        details.add(facultydetails);
```

```
        JMenuItem studentdetails = new JMenuItem("View Student Details");  
        studentdetails.setBackground(Color.WHITE);  
        studentdetails.addActionListener(this);  
        details.add(studentdetails);
```

```
        // Leave  
        JMenu leave = new JMenu("Apply Leave");  
        leave.setForeground(Color.BLUE);  
        mb.add(leave);
```

```
        JMenuItem facultyleave = new JMenuItem("Faculty Leave");  
        facultyleave.setBackground(Color.WHITE);  
        facultyleave.addActionListener(this);  
        leave.add(facultyleave);
```

```
        JMenuItem studentleave = new JMenuItem("Student Leave");  
        studentleave.setBackground(Color.WHITE);  
        studentleave.addActionListener(this);  
        leave.add(studentleave);
```

```
// Leave Details
JMenu leaveDetails = new JMenu("Leave Details");
leaveDetails.setForeground(Color.RED);
mb.add(leavedetails);

JMenuItem facultyleavedetails = new JMenuItem("Faculty Leave Details");
facultyleavedetails.setBackground(Color.WHITE);
facultyleavedetails.addActionListener(this);
leaveDetails.add(facultyleavedetails);

JMenuItem studentleavedetails = new JMenuItem("Student Leave Details");
studentleavedetails.setBackground(Color.WHITE);
studentleavedetails.addActionListener(this);
leaveDetails.add(studentleavedetails);

// Exams
JMenu exam = new JMenu("Examination");
exam.setForeground(Color.BLUE);
mb.add(exam);

JMenuItem examinationdetails = new JMenuItem("Examination Results");
examinationdetails.setBackground(Color.WHITE);
examinationdetails.addActionListener(this);
exam.add(examinationdetails);

JMenuItem entermarks = new JMenuItem("Enter Marks");
entermarks.setBackground(Color.WHITE);
entermarks.addActionListener(this);
exam.add(entermarks);

// UpdateInfo
JMenu updateInfo = new JMenu("Update Details");
updateInfo.setForeground(Color.RED);
mb.add(updateInfo);

JMenuItem updatefacultyinfo = new JMenuItem("Update Faculty Details");
updatefacultyinfo.setBackground(Color.WHITE);
updatefacultyinfo.addActionListener(this);
updateInfo.add(updatefacultyinfo);

JMenuItem updatestudentinfo = new JMenuItem("Update Student Details");
updatestudentinfo.setBackground(Color.WHITE);
updatestudentinfo.addActionListener(this);
updateInfo.add(updatestudentinfo);

// fee
JMenu fee = new JMenu("Fee Details");
fee.setForeground(Color.BLUE);
mb.add(fee);

JMenuItem feestructure = new JMenuItem("Fee Structure");
feestructure.setBackground(Color.WHITE);
feestructure.addActionListener(this);
fee.add(feestructure);

JMenuItem feeform = new JMenuItem("Student Fee Form");
feeform.setBackground(Color.WHITE);
feeform.addActionListener(this);
fee.add(feeform);

// Delete
JMenu delete = new JMenu("Delete");
delete.setForeground(Color.RED);
mb.add(delete);

JMenuItem deleteStudentInfo = new JMenuItem("Delete Student Information");
```

```
deleteStudentInfo.setBackground(Color.WHITE);
deleteStudentInfo.addActionListener(this);
delete.add(deleteStudentInfo);

// about
JMenu about = new JMenu("About");
about.setForeground(Color.BLUE);
mb.add(about);

JMenuItem ab = new JMenuItem("About");
ab.setBackground(Color.WHITE);
ab.addActionListener(this);
about.add(ab);

// exit
JMenu exit = new JMenu("Exit");
exit.setForeground(Color.RED);
mb.add(exit);

JMenuItem ex = new JMenuItem("Exit");
ex.setBackground(Color.WHITE);
ex.addActionListener(this);
exit.add(ex);

setJMenuBar(mb);

setVisible(true);
}

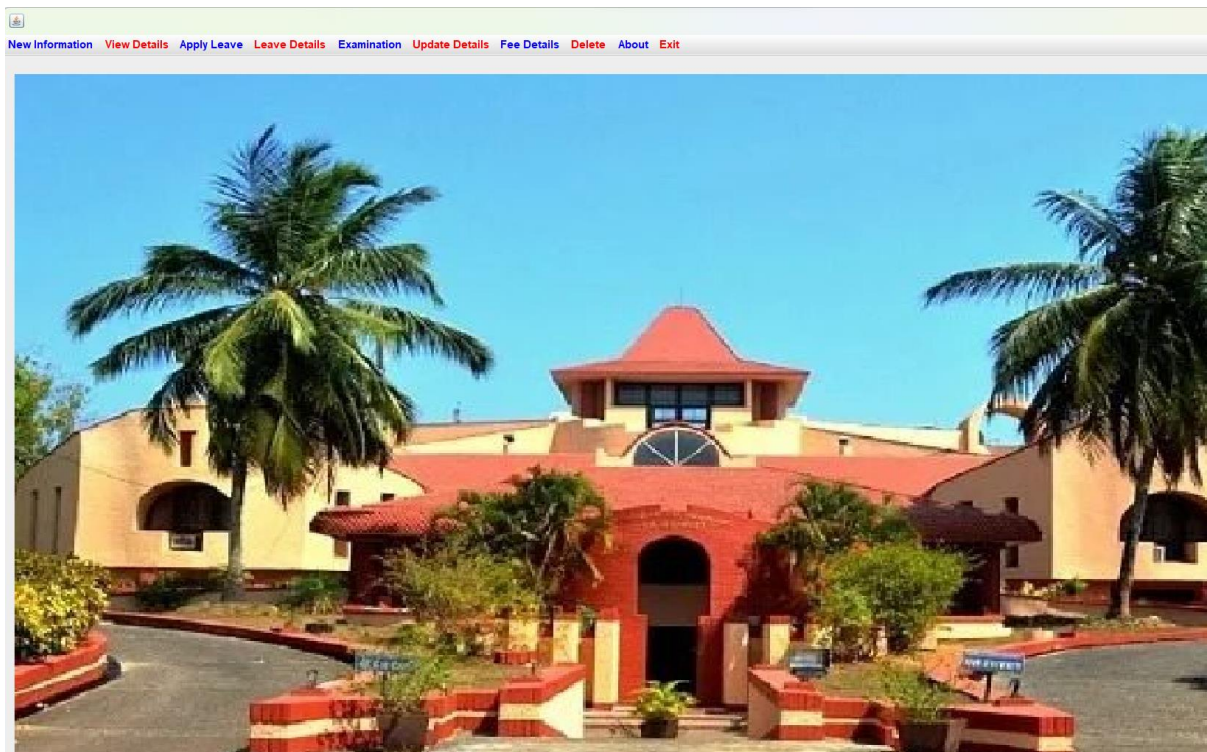
public void actionPerformed(ActionEvent ae) {
    String msg = ae.getActionCommand();

    if (msg.equals("Exit")) {
        setVisible(false);
    } else if (msg.equals("Calculator")) {
        try {
            Runtime.getRuntime().exec("calc.exe");
        } catch (Exception e) {
            e.printStackTrace();
        }
    } else if (msg.equals("Notepad")) {
        try {
            Runtime.getRuntime().exec("notepad.exe");
        } catch (Exception e) {
            e.printStackTrace();
        }
    } else if (msg.equals("New Faculty Information")) {
        new AddTeacher();
    } else if (msg.equals("New Student Information")) {
        new AddStudent();
    } else if (msg.equals("View Faculty Details")) {
        new TeacherDetails();
    } else if (msg.equals("View Student Details")) {
        new StudentDetails();
    } else if (msg.equals("Faculty Leave")) {
        new TeacherLeave();
    } else if (msg.equals("Student Leave")) {
        new StudentLeave();
    } else if (msg.equals("Faculty Leave Details")) {
        new TeacherLeaveDetails();
    } else if (msg.equals("Student Leave Details")) {
        new StudentLeaveDetails();
    } else if (msg.equals("Update Faculty Details")) {
        new UpdateTeacher();
    } else if (msg.equals("Update Student Details")) {
```

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```
        new UpdateStudent();
    } else if (msg.equals("Enter Marks")) {
        new EnterMarks();
    } else if (msg.equals("Examination Results")) {
        new ExaminationDetails();
    } else if (msg.equals("Fee Structure")) {
        new Feestructure();
    } else if (msg.equals("About")) {
        new About();
    } else if (msg.equals("Student Fee Form")) {
        new StudentFeeForm();
    } else if (msg.equals("Delete Student Information")) {
        new deleteRecords();
    }
}

public static void main(String[] args) {
    new Project();
}
}
```



ADD STUDENT DETAILS CLASS:

```
package universitymanagementsystem;
```

```
import javax.swing.*;
import java.awt.*;
import java.util.*;
import com.toedter.calendar.JDateChooser;
import java.awt.event.*;
```

```
public class AddStudent extends JFrame implements ActionListener{
```

```
    JTextField tfname, tffname, tfaddress, tfphone, tfemail, tfx, tfxii, tfaadhar;
    JLabel labelrollno;
    JDateChooser dcdob;
    JComboBox cbcourse, cbbranch;
    JButton submit, cancel;
```

```
    Random ran = new Random();
    long first4 = Math.abs((ran.nextLong() % 9000L) + 1000L);
```

```
    AddStudent() {
        setSize(900, 700);
        setLocation(350, 50);
```

```
        setLayout(null);
```

```
        JLabel heading = new JLabel("New Student Details");
        heading.setBounds(310, 30, 500, 50);
        heading.setFont(new Font("serif", Font.BOLD, 30));
        add(heading);
```

```
        JLabel lblname = new JLabel("Name");
        lblname.setBounds(50, 150, 100, 30);
        lblname.setFont(new Font("serif", Font.BOLD, 20));
        add(lblname);
```

```
        tfname = new JTextField();
        tfname.setBounds(200, 150, 150, 30);
        add(tfname);
```

```
        JLabel lblfname = new JLabel("Father's Name");
        lblfname.setBounds(400, 150, 200, 30);
        lblfname.setFont(new Font("serif", Font.BOLD, 20));
        add(lblfname);
```

```
        tffname = new JTextField();
        tffname.setBounds(600, 150, 150, 30);
        add(tffname);
```

```
        JLabel lblrollno = new JLabel("Roll Number");
        lblrollno.setBounds(50, 200, 200, 30);
        lblrollno.setFont(new Font("serif", Font.BOLD, 20));
        add(lblrollno);
```

```
        labelrollno = new JLabel("1533"+first4);
```

```
labelrollno.setBounds(200, 200, 200, 30);  
labelrollno.setFont(new Font("serif", Font.BOLD, 20));  
add(labelrollno);
```

```
JLabel lbldob = new JLabel("Date of Birth");  
lbldob.setBounds(400, 200, 200, 30);  
lbldob.setFont(new Font("serif", Font.BOLD, 20));  
add(lbldob);
```

```
dcdob = new JDateChooser();  
dcdob.setBounds(600, 200, 150, 30);  
add(dcdob);
```

```
JLabel lbladdress = new JLabel("Address");  
lbladdress.setBounds(50, 250, 200, 30);  
lbladdress.setFont(new Font("serif", Font.BOLD, 20));  
add(lbladdress);
```

```
tfaddress = new JTextField();  
tfaddress.setBounds(200, 250, 150, 30);  
add(tfaddress);
```

```
JLabel lblphone = new JLabel("Phone");  
lblphone.setBounds(400, 250, 200, 30);  
lblphone.setFont(new Font("serif", Font.BOLD, 20));  
add(lblphone);
```

```
tfphone = new JTextField();  
tfphone.setBounds(600, 250, 150, 30);  
add(tfphone);
```

```
JLabel lblemail = new JLabel("Email Id");  
lblemail.setBounds(50, 300, 200, 30);  
lblemail.setFont(new Font("serif", Font.BOLD, 20));  
add(lblemail);
```

```
tfemail = new JTextField();  
tfemail.setBounds(200, 300, 150, 30);  
add(tfemail);
```

```
JLabel lblx = new JLabel("Class X (%)");  
lblx.setBounds(400, 300, 200, 30);  
lblx.setFont(new Font("serif", Font.BOLD, 20));  
add(lblx);
```

```
tfx = new JTextField();  
tfx.setBounds(600, 300, 150, 30);  
add(tfx);
```

```
JLabel lblxii = new JLabel("Class XII (%)");  
lblxii.setBounds(50, 350, 200, 30);  
lblxii.setFont(new Font("serif", Font.BOLD, 20));  
add(lblxii);
```

```
tfxii = new JTextField();
```



```
tfxii.setBounds(200, 350, 150, 30);
add(tfxii);

JLabel lblaadhar = new JLabel("Aadhar Number");
lblaadhar.setBounds(400, 350, 200, 30);
lblaadhar.setFont(new Font("serif", Font.BOLD, 20));
add(lblaadhar);

tfaadhar = new JTextField();
tfaadhar.setBounds(600, 350, 150, 30);
add(tfaadhar);

JLabel lblcourse = new JLabel("Course");
lblcourse.setBounds(50, 400, 200, 30);
lblcourse.setFont(new Font("serif", Font.BOLD, 20));
add(lblcourse);

String course[] = {"B.Tech", "BBA", "BCA", "Bsc", "Msc", "MBA", "MCA", "MCom", "MA",
"BA"};
cbcourse = new JComboBox(course);
cbcourse.setBounds(200, 400, 150, 30);
cbcourse.setBackground(Color.WHITE);
add(cbcourse);

JLabel lblbranch = new JLabel("Branch");
lblbranch.setBounds(400, 400, 200, 30);
lblbranch.setFont(new Font("serif", Font.BOLD, 20));
add(lblbranch);

String branch[] = {"Computer Science", "Electronics", "Mechanical", "Civil", "IT"};
cbbranch = new JComboBox(branch);
cbbranch.setBounds(600, 400, 150, 30);
cbbranch.setBackground(Color.WHITE);
add(cbbranch);

submit = new JButton("Submit");
submit.setBounds(250, 550, 120, 30);
submit.setBackground(Color.BLACK);
submit.setForeground(Color.WHITE);
submit.addActionListener(this);
submit.setFont(new Font("Tahoma", Font.BOLD, 15));
add(submit);

cancel = new JButton("Cancel");
cancel.setBounds(450, 550, 120, 30);
cancel.setBackground(Color.BLACK);
cancel.setForeground(Color.WHITE);
cancel.addActionListener(this);
cancel.setFont(new Font("Tahoma", Font.BOLD, 15));
add(cancel);

setVisible(true);
}

public void actionPerformed(ActionEvent ae) {
```

```
if (ae.getSource() == submit) {
    String name = tfname.getText();
    String fname = tffname.getText();
    String rollno = labelrollno.getText();
    String dob = ((JTextField) dcdob.getDateEditor().getUiComponent()).getText();
    String address = tfaddress.getText();
    String phone = tfphone.getText();
    String email = tfemail.getText();
    String x = tfx.getText();
    String xii = tfxii.getText();
    String aadhar = tfaadhar.getText();
    String course = (String) cbcourse.getSelectedItem();
    String branch = (String) cbbranch.getSelectedItem();

    try {
        String query = "insert into student values('"+name+"', '"+fname+"', '"+rollno+"', '"+dob+"',
        '"+address+"', '"+phone+"', '"+email+"', '"+x+"', '"+xii+"', '"+aadhar+"', '"+course+"', '"+branch+"')";

        Conn con = new Conn();
        con.s.executeUpdate(query);

        JOptionPane.showMessageDialog(null, "Student Details Inserted Successfully");
        setVisible(false);
    } catch (Exception e) {
        e.printStackTrace();
    }
    } else {
        setVisible(false);
    }
}

public static void main(String[] args) {
    new AddStudent();
}
}
```

New Student Details

Name	SAISH NAIK	Father's Name	UDESH NAIK
Roll Number	15333986	Date of Birth	30-Dec-2002
Address	MARGAO	Phone	8459563012
Email Id	saish@gmail		90
Class XII (%)	90		8455 1234 1325
Course	B.Tech	Branch	Computer Science

Submit **Cancel**

Message
Student Details Inserted Successfully
OK

View student details:

```
package universitymanagementsystem;
```

```
import javax.swing.*.*;  
import java.awt.*.*;  
import java.sql.*.*;  
import net.proteanit.sql.DbUtils;  
import java.awt.event.*.*;
```

```
public class StudentDetails extends JFrame implements ActionListener {
```

```
    Choice crollno;  
    JTable table;  
    JButton search, print, update, add, cancel;
```

```
    StudentDetails() {
```

```
        getContentPane().setBackground(Color.WHITE);  
        setLayout(null);
```

```
        JLabel heading = new JLabel("Search by Roll Number");  
        heading.setBounds(20, 20, 150, 20);  
        add(heading);
```

```
        crollno = new Choice();
```

```
crollno.setBounds(180, 20, 150, 20);
add(crollno);

try {
    Conn c = new Conn();
    ResultSet rs = c.s.executeQuery("select * from student");
    while(rs.next()) {
        crollno.add(rs.getString("rollno"));
    }
} catch (Exception e) {
    e.printStackTrace();
}

table = new JTable();

try {
    Conn c = new Conn();
    ResultSet rs = c.s.executeQuery("select * from student");
    table.setModel(DbUtils.resultSetToTableModel(rs));
} catch (Exception e) {
    e.printStackTrace();
}

JScrollPane jsp = new JScrollPane(table);
jsp.setBounds(0, 100, 900, 600);
add(jsp);

search = new JButton("Search");
search.setBounds(20, 70, 80, 20);
search.addActionListener(this);
add(search);

add = new JButton("Add");
add.setBounds(120, 70, 80, 20);
add.addActionListener(this);
add(add);

update = new JButton("Update");
update.setBounds(220, 70, 80, 20);
update.addActionListener(this);
add(update);

cancel = new JButton("Cancel");
cancel.setBounds(320, 70, 80, 20);
cancel.addActionListener(this);
add(cancel);

setSize(900, 700);
setLocation(300, 100);
setVisible(true);
}

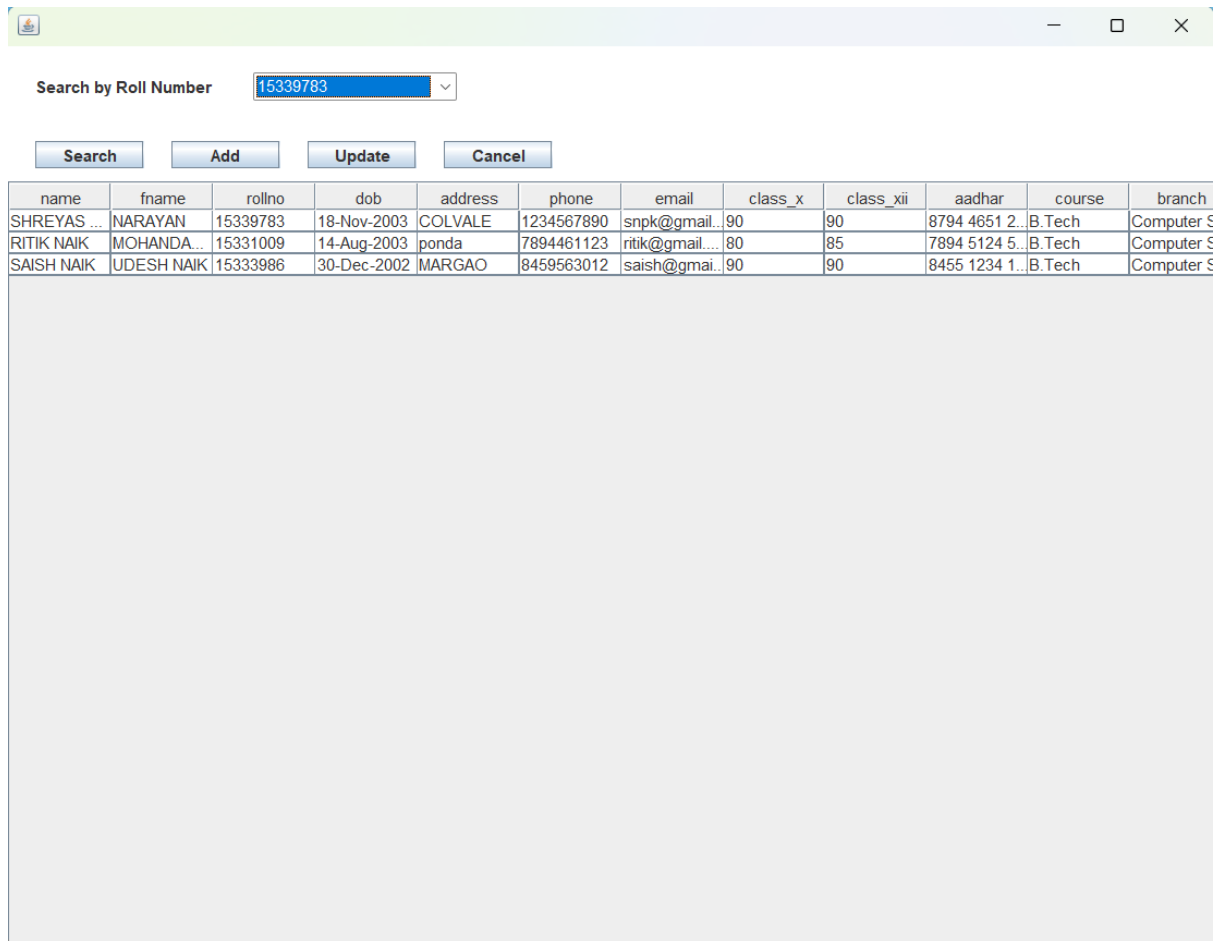
public void actionPerformed(ActionEvent ae) {
    if (ae.getSource() == search) {
        String query = "select * from student where rollno = '"+crollno.getSelectedItem()+"'";
```



```
        try {
            Conn c = new Conn();
            ResultSet rs = c.s.executeQuery(query);
            table.setModel(DbUtils.resultSetToTableModel(rs));
        } catch (Exception e) {
            e.printStackTrace();
        }
    } else if (ae.getSource() == print) {
        try {
            table.print();
        } catch (Exception e) {
            e.printStackTrace();
        }
    } else if (ae.getSource() == add) {
        setVisible(false);
        new AddStudent();
    } else if (ae.getSource() == update) {
        setVisible(false);
        new UpdateStudent();
    } else {
        setVisible(false);
    }
}

public static void main(String[] args) {
    new StudentDetails();
}
}
```

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name	fname	rollno	dob	address	phone	email	class_x	class_xii	aadhar	course	branch
SHREYAS ...	NARAYAN	15339783	18-Nov-2003	COLVALE	1234567890	snpk@gmail...	90	90	8794 4651 2...	B.Tech	Computer S
RITIK NAIK	MOHANDA...	15331009	14-Aug-2003	ponda	7894461123	ritik@gmail...	80	85	7894 5124 5...	B.Tech	Computer S
SAISH NAIK	UDES NAIK	15333986	30-Dec-2002	MARGAO	8459563012	saish@gmai...	90	90	8455 1234 1...	B.Tech	Computer S

UPDATE STUDENT DETAILS:

```
package universitymanagementsystem;
```

```
import javax.swing.*.*;
import java.awt.*.*;
import java.awt.event.*.*;
import java.sql.*.*;
```

```
public class UpdateStudent extends JFrame implements ActionListener{
```

```
    JTextField tfcourse, tfaddress, tfphone, tfemail, tfbranch;
    JLabel labelrollno;
    JButton submit, cancel;
    Choice crollno;
```

```
    UpdateStudent() {
```

```
        setSize(900, 650);
        setLocation(350, 50);
```

```
        setLayout(null);
```

```
        JLabel heading = new JLabel("Update Student Details");
        heading.setBounds(50, 10, 500, 50);
        heading.setFont(new Font("Tahoma", Font.ITALIC, 35));
        add(heading);
```

```
JLabel lblrollnumber = new JLabel("Select Roll Number");
lblrollnumber.setBounds(50, 100, 200, 20);
lblrollnumber.setFont(new Font("serif", Font.PLAIN, 20));
add(lblrollnumber);
```

```
crollno = new Choice();
crollno.setBounds(250, 100, 200, 20);
add(crollno);
```

```
try {
    Conn c = new Conn();
    ResultSet rs = c.s.executeQuery("select * from student");
    while(rs.next()) {
        crollno.add(rs.getString("rollno"));
    }
} catch (Exception e) {
    e.printStackTrace();
}
```

```
JLabel lblname = new JLabel("Name");
lblname.setBounds(50, 150, 100, 30);
lblname.setFont(new Font("serif", Font.BOLD, 20));
add(lblname);
```

```
JLabel labelname = new JLabel();
labelname.setBounds(200, 150, 150, 30);
labelname.setFont(new Font("Tahoma", Font.PLAIN, 18));
add(labelname);
```

```
JLabel lblfname = new JLabel("Father's Name");
lblfname.setBounds(400, 150, 200, 30);
lblfname.setFont(new Font("serif", Font.BOLD, 20));
add(lblfname);
```

```
JLabel labelfname = new JLabel();
labelfname.setBounds(600, 150, 150, 30);
labelfname.setFont(new Font("Tahoma", Font.PLAIN, 18));
add(labelfname);
```

```
JLabel lblrollno = new JLabel("Roll Number");
lblrollno.setBounds(50, 200, 200, 30);
lblrollno.setFont(new Font("serif", Font.BOLD, 20));
add(lblrollno);
```

```
labelrollno = new JLabel();
labelrollno.setBounds(200, 200, 200, 30);
labelrollno.setFont(new Font("Tahoma", Font.PLAIN, 18));
add(labelrollno);
```

```
JLabel lbldob = new JLabel("Date of Birth");
lbldob.setBounds(400, 200, 200, 30);
lbldob.setFont(new Font("serif", Font.BOLD, 20));
add(lbldob);
```

```
JLabel labeldob = new JLabel();  
labeldob.setBounds(600, 200, 150, 30);  
labeldob.setFont(new Font("Tahoma", Font.PLAIN, 18));  
add(labeldob);
```

```
JLabel lbladdress = new JLabel("Address");  
lbladdress.setBounds(50, 250, 200, 30);  
lbladdress.setFont(new Font("serif", Font.BOLD, 20));  
add(lbladdress);
```

```
tfaddress = new JTextField();  
tfaddress.setBounds(200, 250, 150, 30);  
add(tfaddress);
```

```
JLabel lblphone = new JLabel("Phone");  
lblphone.setBounds(400, 250, 200, 30);  
lblphone.setFont(new Font("serif", Font.BOLD, 20));  
add(lblphone);
```

```
tfphone = new JTextField();  
tfphone.setBounds(600, 250, 150, 30);  
add(tfphone);
```

```
JLabel lblemail = new JLabel("Email Id");  
lblemail.setBounds(50, 300, 200, 30);  
lblemail.setFont(new Font("serif", Font.BOLD, 20));  
add(lblemail);
```

```
tfemail = new JTextField();  
tfemail.setBounds(200, 300, 150, 30);  
add(tfemail);
```

```
JLabel lblx = new JLabel("Class X (%)");  
lblx.setBounds(400, 300, 200, 30);  
lblx.setFont(new Font("serif", Font.BOLD, 20));  
add(lblx);
```

```
JLabel labelx = new JLabel();  
labelx.setBounds(600, 300, 150, 30);  
labelx.setFont(new Font("Tahoma", Font.PLAIN, 18));  
add(labelx);
```

```
JLabel lblxii = new JLabel("Class XII (%)");  
lblxii.setBounds(50, 350, 200, 30);  
lblxii.setFont(new Font("serif", Font.BOLD, 20));  
add(lblxii);
```

```
JLabel labelxii = new JLabel();  
labelxii.setBounds(200, 350, 150, 30);  
labelxii.setFont(new Font("Tahoma", Font.PLAIN, 18));  
add(labelxii);
```

```
JLabel lblaadhar = new JLabel("Aadhar Number");  
lblaadhar.setBounds(400, 350, 200, 30);  
lblaadhar.setFont(new Font("serif", Font.BOLD, 20));
```



```
add(lblaadhar);

JLabel labelaadhar = new JLabel();
labelaadhar.setBounds(600, 350, 150, 30);
labelaadhar.setFont(new Font("Tahoma", Font.PLAIN, 18));
add(labelaadhar);

JLabel lblcourse = new JLabel("Course");
lblcourse.setBounds(50, 400, 200, 30);
lblcourse.setFont(new Font("serif", Font.BOLD, 20));
add(lblcourse);

tfcourse = new JTextField();
tfcourse.setBounds(200, 400, 150, 30);
add(tfcourse);

JLabel lblbranch = new JLabel("Branch");
lblbranch.setBounds(400, 400, 200, 30);
lblbranch.setFont(new Font("serif", Font.BOLD, 20));
add(lblbranch);

tfbranch = new JTextField();
tfbranch.setBounds(600, 400, 150, 30);
add(tfbranch);

try {
    Conn c = new Conn();
    String query = "select * from student where rollno='"+crollno.getSelectedItem()+"'";
    ResultSet rs = c.s.executeQuery(query);
    while(rs.next()) {
        labelname.setText(rs.getString("name"));
        labelfname.setText(rs.getString("fname"));
        labeldob.setText(rs.getString("dob"));
        tfaddress.setText(rs.getString("address"));
        tfphone.setText(rs.getString("phone"));
        tfemail.setText(rs.getString("email"));
        labelx.setText(rs.getString("class_x"));
        labelxii.setText(rs.getString("class_xii"));
        labelaadhar.setText(rs.getString("aadhar"));
        labelrollno.setText(rs.getString("rollno"));
        tfcourse.setText(rs.getString("course"));
        tfbranch.setText(rs.getString("branch"));
    }
} catch (Exception e) {
    e.printStackTrace();
}

crollno.addItemListener(new ItemListener() {
    public void itemStateChanged(ItemEvent ie) {
        try {
            Conn c = new Conn();
            String query = "select * from student where rollno='"+crollno.getSelectedItem()+"'";
            ResultSet rs = c.s.executeQuery(query);
            while(rs.next()) {
                labelname.setText(rs.getString("name"));
```

```
        labelfname.setText(rs.getString("fname"));
        labeldob.setText(rs.getString("dob"));
        tfaddress.setText(rs.getString("address"));
        tfphone.setText(rs.getString("phone"));
        tfemail.setText(rs.getString("email"));
        labelx.setText(rs.getString("class_x"));
        labelxii.setText(rs.getString("class_xii"));
        labelaadhar.setText(rs.getString("aadhar"));
        labelrollno.setText(rs.getString("rollno"));
        tfcourse.setText(rs.getString("course"));
        tfbranch.setText(rs.getString("branch"));
    }
} catch (Exception e) {
    e.printStackTrace();
}
});

submit = new JButton("Update");
submit.setBounds(250, 500, 120, 30);
submit.setBackground(Color.BLACK);
submit.setForeground(Color.WHITE);
submit.addActionListener(this);
submit.setFont(new Font("Tahoma", Font.BOLD, 15));
add(submit);

cancel = new JButton("Cancel");
cancel.setBounds(450, 500, 120, 30);
cancel.setBackground(Color.BLACK);
cancel.setForeground(Color.WHITE);
cancel.addActionListener(this);
cancel.setFont(new Font("Tahoma", Font.BOLD, 15));
add(cancel);

setVisible(true);
}

public void actionPerformed(ActionEvent ae) {
    if (ae.getSource() == submit) {
        String rollno = labelrollno.getText();
        String address = tfaddress.getText();
        String phone = tfphone.getText();
        String email = tfemail.getText();
        String course = tfcourse.getText();
        String branch = tfbranch.getText();

        try {
            String query = "update student set address='"+address+"', phone='"+phone+"',
email='"+email+"', course='"+course+"', branch='"+branch+"' where rollno='"+rollno+"'";
            Conn con = new Conn();
            con.s.executeUpdate(query);

            JOptionPane.showMessageDialog(null, "Student Details Updated Successfully");
            setVisible(false);
        } catch (Exception e) {
```

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```
e.printStackTrace();
    }
    } else {
        setVisible(false);
    }
}

public static void main(String[] args) {
    new UpdateStudent();
}
}
```

Update Student Details

Select Roll Number: 15333986

Name	SAISH NAIK	Father's Name	UDES NAIK
Roll Number	15333986	Date of Birth	30-Dec-2002
Address	MARGAO, GOA	Phone	8459563012
Email Id	pccesaish18		90
Class XII (%)	90		8455 1234 1325
Course	B.Tech	Branch	Computer Science

Update **Cancel**

Message

Student Details Updated Successfully

OK

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UPDATED DETAILS:

name	fname	rollno	dob	address	phone	email	class_x	class_xii	aadhar	course	branch
SHREYAS ...	NARAYAN	15339783	18-Nov-2003	COLVALE	1234567890	snpk@gmail...	90	90	8794 4651 2...	B.Tech	Computer S
RITIK NAIK	MOHANDA...	15331009	14-Aug-2003	ponda	7894461123	ritik@gmail...	80	85	7894 5124 5...	B.Tech	Computer S
SAISH NAIK	UDES NAIK	15333986	30-Dec-2002	MARGAO...	8459563012	pccesaish18...	90	90	8455 1234 1...	B.Tech	Computer S

DELETE STUDENT DETAILS:

```
package universitymanagementsystem;
```

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.*;
```

```
public class deleteRecords extends JFrame implements ActionListener {
```

```
    JComboBox<String> rollNumberDropDown;
    JButton delete;
```

```
    public deleteRecords() {
        setSize(900, 700);
        setLocation(350, 50);
        setLayout(null);
```

```
        JLabel heading = new JLabel("Delete Student Details");
        heading.setBounds(310, 30, 500, 50);
        heading.setFont(new Font("serif", Font.BOLD, 30));
        add(heading);
```

```
        JLabel lblrollno = new JLabel("Select Roll Number");
        lblrollno.setBounds(50, 200, 200, 30);
```

```
lblrollno.setFont(new Font("serif", Font.BOLD, 20));
add(lblrollno);

// Load existing roll numbers into the dropdown
rollNumberDropdown = new JComboBox<>();
rollNumberDropdown.setBounds(250, 200, 150, 30);
addRollNumbersToDropdown(); // Method to load existing roll numbers
add(rollNumberDropdown);

// Add a Delete button
delete = new JButton("Delete");
delete.setBounds(650, 550, 120, 30);
delete.setBackground(Color.BLACK);
delete.setForeground(Color.WHITE);
delete.addActionListener(this);
delete.setFont(new Font("Tahoma", Font.BOLD, 15));
add(delete);

setVisible(true);
}

private void addRollNumbersToDropdown() {
    try {
        Conn c = new Conn();
        ResultSet rs = c.s.executeQuery("SELECT rollno FROM student");

        while (rs.next()) {
            rollNumberDropdown.addItem(rs.getString("rollno"));
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}

public void actionPerformed(ActionEvent ae) {
    if (ae.getSource() == delete) {
        // Handle delete button action
        String rollNumberToDelete = (String) rollNumberDropdown.getSelectedItem();

        try {
            String deleteQuery = "DELETE FROM student WHERE rollno = " + rollNumberToDelete
+ """;

            Conn con = new Conn();
            con.s.executeUpdate(deleteQuery);

            JOptionPane.showMessageDialog(null, "Student Record Deleted Successfully");
            setVisible(false);
        } catch (Exception e) {
            e.printStackTrace();
        }
    } else {
        setVisible(false);
    }
}
```

```
public static void main(String[] args) {  
    new deleteRecords();  
}
```

VIEW DETAILS AFTER DELETING SPECIFIC RECORD:

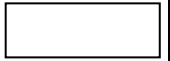
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FEE-STRUCTURE:



Fee Structure

course	semester1	semester2	semester3	semester4	semester5	semester6	semester7	semester8
BTech	70000	70000	70000	70000	70000	70000	70000	70000
BSc	40000	35000	35000	35000	35000	35000	35000	35000
BCA	50000	40000	40000	40000	40000	40000	40000	40000
MTech	90000	90000	90000	90000	----	-----	-----	-----
Msc	45000	45000	45000	45000	----	-----	-----	-----
MCA	40000	40000	60000	60000	----	-----	-----	-----
BCom	22000	22000	22000	22000	22000	22000	22000	22000
MCom	40000	40000	45000	45000	----	-----	-----	-----
BA	40000	40000	45000	45000	45000	45000	55000	55000
MA	45000	45000	45000	45000	----	-----	-----	-----



CONNECTION CLASS:

```
package universitymanagementsystem;
```

```
import java.sql.*;
```

```
public class Conn {
```

```
    Connection c;
```

```
    Statement s;
```

```
    Conn () {
```

```
        try {
```

```
            Class.forName("com.mysql.cj.jdbc.Driver");
```

```
            c = DriverManager.getConnection("jdbc:mysql:///universitymanagementsystem", "root", "");
```

```
            s = c.createStatement();
```

```
        } catch (Exception e) {
```

```
            e.printStackTrace();
```

```
        }
```

```
    }
```

```
}
```


BACK-END(MYSQL)

```
1 • create database universitymanagementsystem;
2
3 • show databases;
4
5 • use universitymanagementsystem;
6
7 • create table login(username varchar(30),password varchar(30));
8
9 • insert into login values('admin','12345');
10
11 • select * from login;
12
13 • create table student(name varchar(50),fname varchar(20),rollno varchar(20),dob varchar(40),
14 address varchar(100),phone varchar(15),email varchar(40), class_x varchar(20),
15 class_xii varchar(20),aadhar varchar(20),course varchar(40),branch varchar(40));
16
17 • select * from student;
18
19 • create table teacher(name varchar(50),empId varchar(20),dob varchar(40),
20 address varchar(100),phone varchar(15),email varchar(40), annual_salary varchar(20),
21 monthly_salary varchar(20),aadhar varchar(20),education varchar(40),department varchar(40));
22
23 • drop table teacher;
24
25 • select * from teacher;
26
27 • create table studentleave(rollno varchar(50),date varchar(50),duration varchar(20));
28
29 • drop table studentleave;
30
31 • select * from studentleave;
32
33 • create table teacherleave(rollno varchar(50),date varchar(50),duration varchar(20));
34
35 • select * from teacherleave;
36
37
38 • create table marks(rollno varchar(20),semester varchar(20),marks1 varchar(50),
39 marks2 varchar(50),marks3 varchar(50),marks4 varchar(50),marks5 varchar(50));
40
41 • drop table marks;
42 • drop table subject;
43 • select * from marks;
44
45 • select * from subject;
46
47 • create table fee(course varchar(20),semester1 varchar(20),semester2 varchar(20),semester3 varchar(20),
48 semester4 varchar(20),semester5 varchar(20),semester6 varchar(20),semester7 varchar(20),
49 semester8 varchar(20));
50
51 • insert into fee values("BTech","70000","70000","70000","70000","70000","70000","70000","70000");
52 • insert into fee values("BSc","40000","35000","35000","35000","35000","35000","35000","35000");
53 • insert into fee values("BCA","50000","40000","40000","40000","40000","40000","40000","40000");
54 • insert into fee values("MTech","90000","90000","90000","90000","90000","90000","90000","90000");
55 • insert into fee values("Msc","45000","45000","45000","45000","45000","45000","45000","45000");
56 • insert into fee values("MCA","40000","40000","60000","60000","60000","60000","60000","60000");
57 • insert into fee values("BCom","22000","22000","22000","22000","22000","22000","22000","22000");
58 • insert into fee values("MCom","40000","40000","45000","45000","45000","45000","45000","45000");
59 • insert into fee values("BA","40000","40000","45000","45000","45000","45000","55000","55000");
60 • insert into fee values("MA","45000","45000","45000","45000","45000","45000","45000","45000");
```