import java.awt.BorderLayout; // Import the BorderLayout class from java.awt

import javax.swing.\*;

public class lab9 {

private JFrame frame;

private JTextField employeeNameField, salaryField;

private JTextArea displayArea;

private JButton calculateButton;

public lab9() {

frame = new JFrame("Employee Salary Management System");

frame.setSize(400, 300);

frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

JPanel panel = new JPanel();

panel.setLayout(new BoxLayout(panel, BoxLayout.PAGE\_AXIS));

JLabel nameLabel = new JLabel("Employee Name:");

employeeNameField = new JTextField();

JLabel salaryLabel = new JLabel("Salary:");

salaryField = new JTextField();

panel.add(nameLabel);

panel.add(employeeNameField);

panel.add(salaryLabel);

panel.add(salaryField);

calculateButton = new JButton("Calculate Salary");

displayArea = new JTextArea(10, 10);

JScrollPane scrollPane = new JScrollPane(displayArea);

calculateButton.addActionListener(e -> calculateSalary());

panel.add(calculateButton);

panel.add(scrollPane);

frame.getContentPane().add(BorderLayout.CENTER, panel);

frame.setVisible(true);

}

private void calculateSalary() {

String employeeName = employeeNameField.getText();

double salary;

try {

salary = Double.parseDouble(salaryField.getText());

} catch (NumberFormatException ex) {

JOptionPane.showMessageDialog(frame, "Please enter a valid salary.", "Error", JOptionPane.ERROR\_MESSAGE);

return;

}

double calculatedSalary = salary \* 0.9; // For demonstration, just deducting 20%

displayArea.setText("");

displayArea.append("Employee: " + employeeName + "\n");

displayArea.append("Original Salary: " + salary + "\n");

displayArea.append("Calculated Salary after cuttings(10%): " + calculatedSalary + "\n\n");

}

public static void main(String[] args) {

SwingUtilities.invokeLater(() -> new lab9());

}

}



