import javax.swing.\*;

import java.awt.\*;

import java.awt.event.\*;

public class IncomeTaxCalculator {

private JFrame frame;

private JTextField incomeField;

private JTextField taxField;

private JButton calculateButton;

public IncomeTaxCalculator() {

createGUI();

}

private void createGUI() {

frame = new JFrame("Income Tax Calculator");

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

frame.setLayout(new FlowLayout());

JLabel incomeLabel = new JLabel("Enter your income (in lakhs):");

incomeField = new JTextField(10);

JLabel taxLabel = new JLabel("Your income tax:");

taxField = new JTextField(10);

taxField.setEditable(false);

calculateButton = new JButton("Calculate");

calculateButton.addActionListener(new CalculateButtonListener());

frame.add(incomeLabel);

frame.add(incomeField);

frame.add(taxLabel);

frame.add(taxField);

frame.add(calculateButton);

frame.pack();

frame.setVisible(true);

}

private class CalculateButtonListener implements ActionListener {

@Override

public void actionPerformed(ActionEvent e) {

double income = Double.parseDouble(incomeField.getText()) \* 100000;

double tax = calculateTax(income);

taxField.setText(String.format("%.2f", tax));

}

}

private double calculateTax(double income) {

if (income <= 250000) {

return 0;

} else if (income <= 500000) {

return (income - 250000) \* 0.05;

} else if (income <= 750000) {

return (income - 500000) \* 0.10 + 12500;

} else if (income <= 1000000) {

return (income - 750000) \* 0.15 + 37500;

} else if (income <= 1250000) {

return (income - 1000000) \* 0.20 + 75000;

} else if (income <= 1500000) {

return (income - 1250000) \* 0.25 + 125000;

} else {

return (income - 1500000) \* 0.30 + 187500;

}

}

public static void main(String[] args) {

SwingUtilities.invokeLater(new Runnable() {

@Override

public void run() {

new IncomeTaxCalculator();

}

});

}

}