CONVERTER CODING

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

public class Hello implements ActionListener {

JFrame f = new JFrame("Converter");

JButton b = new JButton("Convert");

JPanel p = new JPanel();

JLabel l = new JLabel("Converter");

JLabel l1 = new JLabel("Meter");

JLabel l2 = new JLabel("Kilometer");

JTextField t1 = new JTextField(10);

JTextField t2 = new JTextField(10);

Hello() {

f.add(p);

f.setSize(350, 250);

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

f.setLocationRelativeTo(null);

p.setBackground(Color.LIGHT\_GRAY);

SpringLayout layout = new SpringLayout();

p.setLayout(layout);

f.setVisible(true);

Font headingFont = new Font("Arial", Font.BOLD, 20);

Font font = new Font("Arial", Font.PLAIN, 16);

l.setFont(headingFont);

l1.setFont(font);

l2.setFont(font);

t1.setFont(font);

t2.setFont(font);

t1.setPreferredSize(new Dimension(150, 30));

t2.setPreferredSize(new Dimension(150, 30));

p.add(l);

p.add(l1);

p.add(t1);

p.add(l2);

p.add(t2);

p.add(b);

layout.putConstraint(SpringLayout.HORIZONTAL\_CENTER, l, 0, SpringLayout.HORIZONTAL\_CENTER, p);

layout.putConstraint(SpringLayout.NORTH, l, 20, SpringLayout.NORTH, p);

layout.putConstraint(SpringLayout.EAST, l1, -10, SpringLayout.HORIZONTAL\_CENTER, p);

layout.putConstraint(SpringLayout.NORTH, l1, 20, SpringLayout.SOUTH, l);

layout.putConstraint(SpringLayout.WEST, t1, 10, SpringLayout.HORIZONTAL\_CENTER, p);

layout.putConstraint(SpringLayout.NORTH, t1, 0, SpringLayout.NORTH, l1);

layout.putConstraint(SpringLayout.EAST, l2, -10, SpringLayout.HORIZONTAL\_CENTER, p);

layout.putConstraint(SpringLayout.NORTH, l2, 20, SpringLayout.SOUTH, l1);

layout.putConstraint(SpringLayout.WEST, t2, 10, SpringLayout.HORIZONTAL\_CENTER, p);

layout.putConstraint(SpringLayout.NORTH, t2, 0, SpringLayout.NORTH, l2);

layout.putConstraint(SpringLayout.HORIZONTAL\_CENTER, b, 0, SpringLayout.HORIZONTAL\_CENTER, p);

layout.putConstraint(SpringLayout.NORTH, b, 20, SpringLayout.SOUTH, t2);

b.addActionListener(this);

}

@Override

public void actionPerformed(ActionEvent e) {

if (e.getSource() == b) {

try {

double meters = Double.parseDouble(t1.getText());

double kilometers = meters / 1000;

t2.setText(String.valueOf(kilometers));

JOptionPane.showMessageDialog(p,

"You have successfully converted the value.\n" + meters + " meters is equal to " + kilometers

+ " kilometers.",

"Saved Data", JOptionPane.INFORMATION\_MESSAGE);

} catch (NumberFormatException ex) {

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

}

}

}

public static void main(String[] args) {

new Hello();

}

}