My code changes Fahrenheit to Celsius guiproblem.java

import java.awt.\*;

import java.awt.event.\*;

import javax.swing.\*;

/\*

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Assignment Chapter: Chapter 11

Purpose: My purpose is to learn Java and get a good grade.

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IDE/Toool used: NetBeans IDE 8.2

\*/

public abstract class guiproblem extends JFrame implements ActionListener{

private final int WINDOW\_WIDTH = 500,

WINDOW\_HEIGHT = 500;

private JPanel panel;

private JLabel messageLabel;

private JTextField tempTextField;

private JRadioButton celsiusButton;

private JRadioButton FahrenheitButton;

private ButtonGroup radioButtonGroup;

public guiproblem(){

super("Celsius/Fahrenheit.");

setSize(WINDOW\_WIDTH, WINDOW\_HEIGHT);

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

buildPanel();

setVisible(true);

add(panel);

}

private void buildPanel(){

messageLabel = new JLabel("Enter in a temperature and click the button.");

tempTextField = new JTextField(10);

FahrenheitButton = new JRadioButton("Convert to Fahrenheit");

celsiusButton = new JRadioButton("Convert to celsius");

radioButtonGroup = new ButtonGroup();

radioButtonGroup.add(FahrenheitButton);

radioButtonGroup.add(celsiusButton);

FahrenheitButton.addActionListener(new RadioButtonListener());

celsiusButton.addActionListener(new RadioButtonListener());

panel = new JPanel();

panel.add(messageLabel);

panel.add(tempTextField);

panel.add(celsiusButton);

panel.add(FahrenheitButton);

}

private class RadioButtonListener implements ActionListener{

public void actionPerformed(ActionEvent e){

String input;

String convertTo = "";

double result = 0.0;

input = tempTextField.getText();

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

convertTo = "Celsius to Fahrenheight.";

result = Double.parseDouble(input) \* 9/5 + 32;

}

else if (e.getSource() == celsiusButton){

convertTo = "Fahrenheight to Celsius.";

result = Double.parseDouble(input) - 32 \* 5/9;

}

JOptionPane.showMessageDialog(null, input +

" Temperature is " + result + convertTo);

}

}

public static void main(String[] args) {

new guiproblem() {

@Override

public void actionPerformed(ActionEvent ae) {

throw new UnsupportedOperationException("Not supported yet."); //To change body of generated methods, choose Tools | Templates.

}

};

}

}

