Credit
2110
Assignment
E2 MetricConversion
Errors
What caused the error and how do you overcome the error?

I didnt have any errors
This is the finalized code, Only the important stuff

```
import javax.swing.SwingConstants;

public class E2MetricConversion {

    private JFrame frame;
    private JTextField fn;
    private JTextField unitInput;

    DecimalFormat dc = new DecimalFormat("0.00"); // to convert decimals to the nearest hundredth

    /**
```

```
        public void actionPerformed(ActionEvent e)
        {
            if (selection.getSelectedItem().equals("Inches to Centimeters")) //to change what the unit input text box says to input, and to reset output box'
            {                                                                //the rest of the code until line 129, is the exact same with different units be
                unitInput.setText("Input inches");                          // theres no point repeating the comments like 16 times
                output.setText("Waiting For Convert.");
            }
            else if (selection.getSelectedItem().equals("Feet to Centimeters"))
            {
                unitInput.setText("Input feet");
                output.setText("Waiting For Convert.");
            }
            else if (selection.getSelectedItem().equals("Yards to Meters"))
            {
                unitInput.setText("Input yards");
                output.setText("Waiting For Convert.");
            }
            else if (selection.getSelectedItem().equals("Miles to Kilometers"))
            {
                unitInput.setText("Input miles");
                output.setText("Waiting For Convert.");
            }
            else if (selection.getSelectedItem().equals("Centimeters to Inches"))
            {
                unitInput.setText("Input centimeters");
                output.setText("Waiting For Convert.");
            }
            else if (selection.getSelectedItem().equals("Centimeters to Feet"))
            {
                unitInput.setText("Input centimeters");
                output.setText("Waiting For Convert.");
            }
            else if (selection.getSelectedItem().equals("Meters to Yards"))
            {
                unitInput.setText("Input meters");
                output.setText("Waiting For Convert.");
            }
            else if (selection.getSelectedItem().equals("Kilometers to Miles"))
            {
                unitInput.setText("Input kilometers");
                output.setText("Waiting For Convert.");
            }
```

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

            if (selection.getSelectedItem().equals("Inches to Centimeters")) //reads combo box
            {
                String txtnumb = unitInput.getText(); // accepts user input as a string
                double numb = Double.parseDouble(txtnumb); //converts user input into a double so we can do math with it and get a decimal
                output.setText(dc.format((numb * 2.54))+ " Centimeters.");  // converts centimeters to inches and then  outputs the user input rounded to the
            }
            else if (selection.getSelectedItem().equals("Feet to Centimeters")) //the rest of the code until line 197, is the exact same with different units
            {                                                                   //there is no point in repeating the comments 30 times
                String txtnumb = unitInput.getText();
                double numb = Double.parseDouble(txtnumb);
                output.setText(dc.format((numb * 30))+ " Centimeters.");
            }
            else if (selection.getSelectedItem().equals("Yards to Meters"))
            {
                String txtnumb = unitInput.getText();
                double numb = Double.parseDouble(txtnumb);
                output.setText(dc.format((numb * 0.91))+ " Meters.");
            }
            else if (selection.getSelectedItem().equals("Miles to Kilometers"))
            {
                String txtnumb = unitInput.getText();
                double numb = Double.parseDouble(txtnumb);
                output.setText(dc.format((numb * 1.6))+ " Kilometers.");
            }
            else if (selection.getSelectedItem().equals("Centimeters to Inches"))
            {
                String txtnumb = unitInput.getText();
                double numb = Double.parseDouble(txtnumb);
                output.setText(dc.format((numb / 2.54))+ " Inches.");
            }
            else if (selection.getSelectedItem().equals("Centimeters to Feet"))
            {
                String txtnumb = unitInput.getText();
                double numb = Double.parseDouble(txtnumb);
                output.setText(dc.format((numb / 30))+ " Feet.");
            }
            else if (selection.getSelectedItem().equals("Meters to Yards"))
            {
                String txtnumb = unitInput.getText();
                double numb = Double.parseDouble(txtnumb);
                output.setText(dc.format((numb / 0.91))+ " Yards.");
            }
            else if (selection.getSelectedItem().equals("Kilometers to Miles"))
            {
                String txtnumb = unitInput.getText();
                double numb = Double.parseDouble(txtnumb);
                output.setText(dc.format((numb / 1.6))+ " Miles.");
```