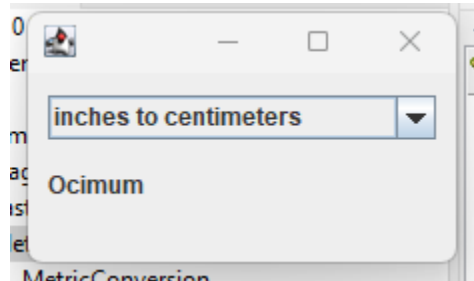


Credit Name: CSE3010 - Computer Science 3

Assignment Name: MetricConversion

**Error** - Reused code from Latin Plant Names and forgot to edit code



```
conversionType.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent e)
    {
        JComboBox comboBox = (JComboBox)e.getSource();
        String selection = (String)comboBox.getSelectedItem();

        if (selection == "inches to centimeters") {
            output.setText("Ocimum");
        } else if (selection == "feet to meters") {
            output.setText("Lavandula spica");
        } else if (selection == "gallons to litres") {
            output.setText("Apium");
        } else if (selection == "pounds to kilograms") {
            output.setText("Mentha piperita");
        }
    }
});
```

**Solution** - Edited the code.

```

public void actionPerformed(ActionEvent e)
{
    JComboBox comboBox = (JComboBox)e.getSource();
    String selection = (String)comboBox.getSelectedItem();

    //Conditionals for what user selects from combo box

    if (selection == "Inches to centimeters") {
        output.setText("1 inch = 2.54 centimetres");
    } else if (selection == "Feet to meters") {
        output.setText("1 foot = 0.3048 metres");
    } else if (selection == "Gallons to litres") {
        output.setText("1 gallon = 4.5461 litres");
    } else if (selection == "Pounds to kilograms") {
        output.setText("1 pound = 0.4536 kilograms");
    } else {
        output.setText("");
    }
}

```

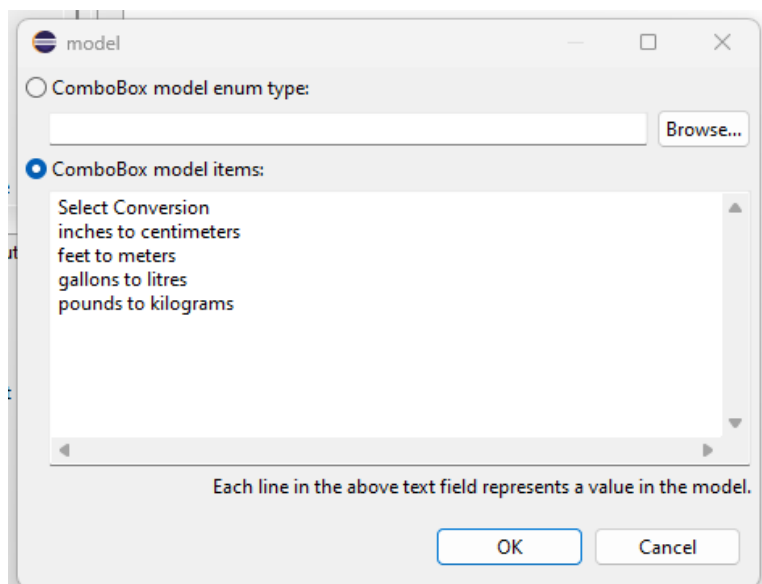
**Error** - Checked to see if "selection" matched with elements in combo box except I capitalised them outside of the combo box and inside the combo box the array was lowercase therefore not equal.

```

conversionType.addActionListener(new ActionListener()
{
    public void actionPerformed(ActionEvent e)
    {
        JComboBox comboBox = (JComboBox)e.getSource();
        String selection = (String)comboBox.getSelectedItem();

        if (selection == "Inches to centimeters") {
            output.setText("1 inch = 2.54 centimetres");
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            output.setText("1 foot = 0.3048 metres");
        } else if (selection == "Gallons to litres") {
            output.setText("1 gallon = 4.5461 litres");
        } else if (selection == "Pounds to kilograms") {
            output.setText("1 pound = 0.4536 kilograms");
        } else {
            output.setText("");
        }
    }
}

```



### Solution - Edited array elements in combo box

```

conversionType.setModel(new DefaultComboBoxModel(new String[] { "Select Conversion", "Inches to centimeters", "Feet to meters", "Gallons to litres", "Pounds to kilograms" }));

```

