

Credit Name:computer science 3

Assignment Name: metric conversion

1. **private JFrame frame;**

Purpose: This is the main window of the application, serving as the container for all user interface components.

2. **private JLabel lblResult;**

Purpose: This label displays the conversion formula based on the user's selection from the combo box.

3. **private JComboBox<String> conversionComboBox;**

Purpose: This combo box allows users to select the type of metric conversion they want to perform, such as inches to centimeters or gallons to liters.

4. **public static void main(String[] args);**

Purpose: This is the entry point of the application. It sets up the event dispatch thread and creates an instance of the Metricconversion2 class to display the GUI.

5. **public Metricconversion2() {**

Purpose: This constructor initializes the application by calling the initialize method to set up the GUI components.

6. **private void initialize() {**

Purpose: This method sets up the main frame, adds UI components like labels and combo boxes, and configures the layout for the application.

7. **private void displayConversionFormula() {**

Purpose: This method updates the lblResult label with the corresponding conversion formula based on the selected conversion type from the combo box. **Key**

Details: It uses a switch statement to determine which conversion formula to display.

8. **String[] conversions = { ... };**

Purpose: This array holds the different conversion options available in the combo box, allowing users to select their desired conversion type.