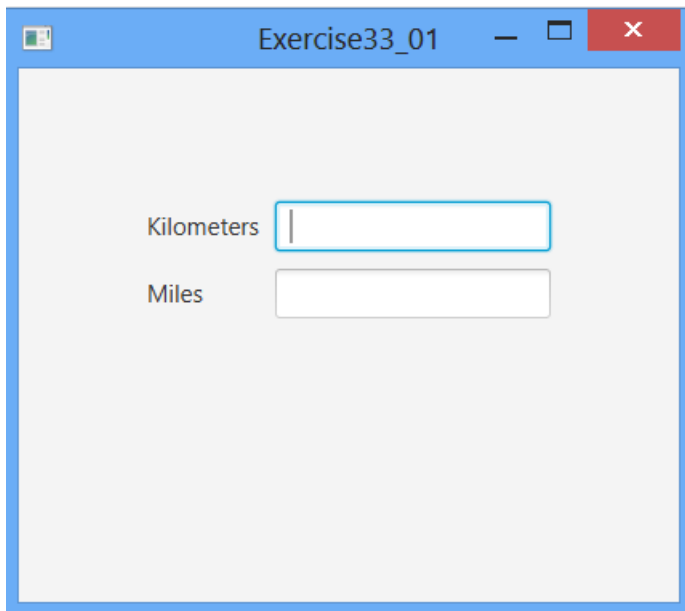


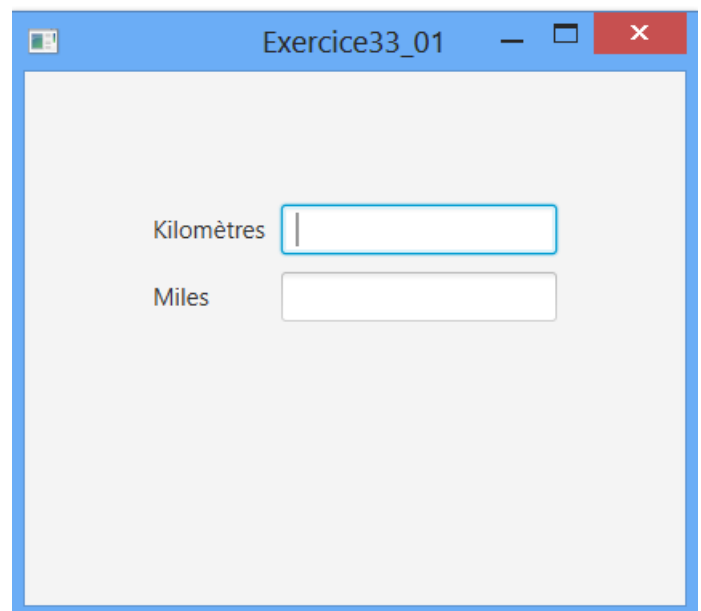
1. Make sure to use Scene Builder and Java FXML to create the following programs.
2. Make sure to internationalize your code to at least support French and English. You can add another language of your choice.

Create a miles/kilometers converter

Write a program that converts miles and kilometers, as shown in the following Figure. If you enter a value in the Mile text field and press the Enter key, the corresponding kilometer measurement is displayed in the Kilometer text field. Likewise, if you enter a value in the Kilometer text field and press the Enter key, the corresponding miles is displayed in the Mile text field.



The screenshot shows a JavaFX window titled "Exercise33_01". Inside the window, there are two text input fields. The top field is labeled "Kilometers" and the bottom field is labeled "Miles". Both fields are currently empty and have a light blue border.



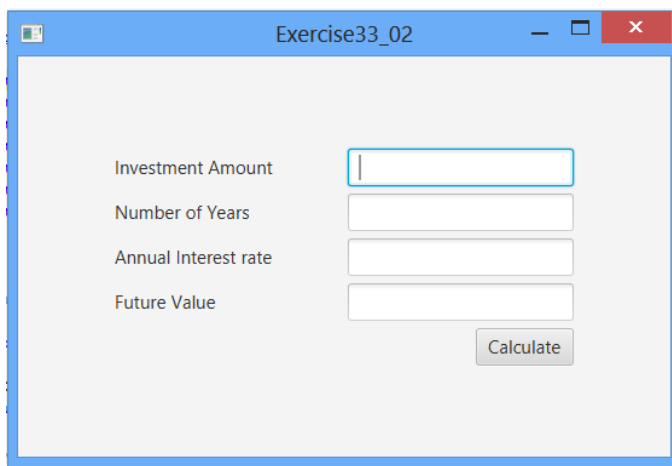
The screenshot shows the same JavaFX window titled "Exercise33_01", but with the text labels internationalized to French. The top field is now labeled "Kilomètres" and the bottom field is labeled "Miles". Both fields are currently empty and have a light blue border.

Create an investment-value calculator

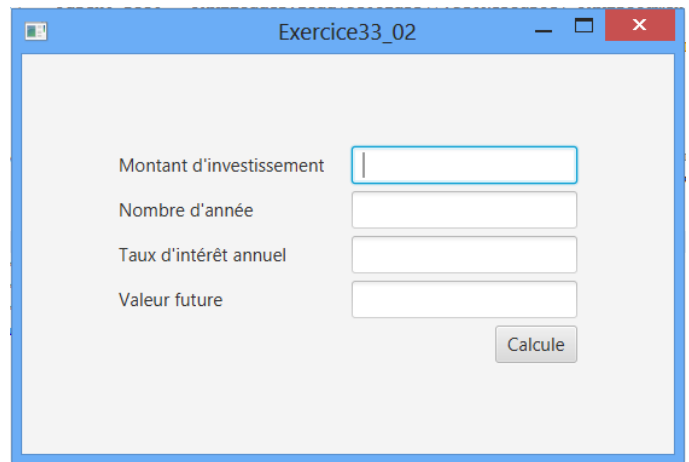
Write a program that calculates the future value of an investment at a given interest rate for a specified number of years. The formula for the calculation is:

$$\text{futureValue} = \text{investmentAmount} * (1 + \text{monthlyInterestRate})^{\text{years} * 12}$$

Use text fields for the investment amount, number of years, and annual interest rate. Display the future amount in a text field when the user clicks the Calculate button, as shown in the following Figure:



The screenshot shows a Java Swing window titled "Exercise33_02". Inside the window, there are four text labels on the left: "Investment Amount", "Number of Years", "Annual Interest rate", and "Future Value". To the right of each label is a text input field. The "Investment Amount" field is highlighted with a blue border. At the bottom right of the input area is a button labeled "Calculate".



The screenshot shows the same Java Swing window titled "Exercice33_02" but with French text. The labels are "Montant d'investissement", "Nombre d'année", "Taux d'intérêt annuel", and "Valeur future". The text input fields and the "Calcule" button are also present, with the first field highlighted by a blue border.