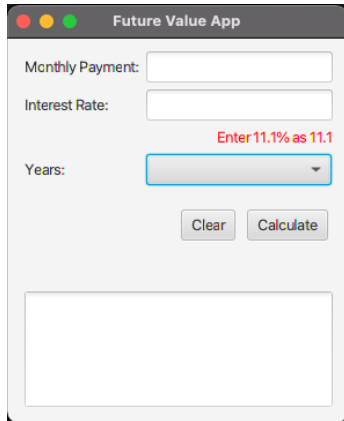


# Instructions for Assignment 7.2

## Exhibit A. Final Solution Output



1. Download and install the [JavaFX SDK](#).
2. Add a new folder to your cis-505 repository and name it FutureValueApp.
3. Add a new file to the FutureValueApp folder and name it YourLastNameFutureValueApp.java.
4. Extend the JavaFX Application object and setup the `@Override` start method with a single argument for the Stage object.

## Exhibit B `@Override start(Stage primaryStage)`

```
@Override
public void start(Stage primaryStage)
{
```

5. Create private variables for two TextField's, one TextArea, five Labels, one ComboBox of type Integer, and two Button's.

## Additional Java Programming Requirements

- a. Set the text for the labels to match the labels in Exhibit A.

## Exhibit C Labels with a default text value

```
private Label lblMonthlyPayment = new Label("Monthly Payment:");
private Label lblInterestRate = new Label("Interest Rate:");
```

- b. Set the text for the buttons to match the buttons in Exhibit A.

## Exhibit D Buttons with a default text value

```
private Button btnCalculate = new Button("Calculate");
```

- c. In the start() method, add a new GridPane object and set its alignment to Pos.CENTER, set its padding to 11.5, 12.5, 13.5, and 14.5. Next, set the panes Hgap to 5.5 and its Vgap to 5.5.
- d. Add the controls to the GridPane. For the lblInterestRateFormat label, set the text fill to red and HPos to the right.

#### Exhibit E lblInterestRateFormat

```
lblInterestRateFormat.setTextFill(Color.RED); // Set the font color of the interest rate instructions to red.  
pane.add(lblInterestRateFormat, 1, 2); // Add the label to the grid pane.  
GridPane.setHalignment(lblInterestRateFormat, HPos.RIGHT); // Position the label to the right of the pane.
```

- e. Add the clear and calculate buttons to an HBox with a spacing of 10 and a padding of 15, 0, 15, and 30.

#### Exhibit F actionBtnContainer

```
HBox actionBtnContainer = new HBox(); // Create a new HBox container.  
actionBtnContainer.setPadding(new Insets(15, 0, 15, 30)); // Set the containers padding.  
actionBtnContainer.setSpacing(10); // Set the containers spacing.  
actionBtnContainer.getChildren().add(btnClear); // Add the btnClear to the container.  
actionBtnContainer.getChildren().add(btnCalculate); // Add the btnCalc to the container.  
pane.add(actionBtnContainer, 1, 4); // Add the container to the GridPanel.
```

- f. Set the primary stages title to “YourLastName Future Value App.”