Drill - Simple Interest Calculator

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Concepts being Tested

- Importing an existing project into Eclipse
- Using the Graphical Layout Editor
- Identifying appropriate views for a specific task
- Getting references to views from the layout using Java
- Use of the view property getters and setters
- Use of event listeners

What to do?

- Download the project template
- Follow the upcoming instructions

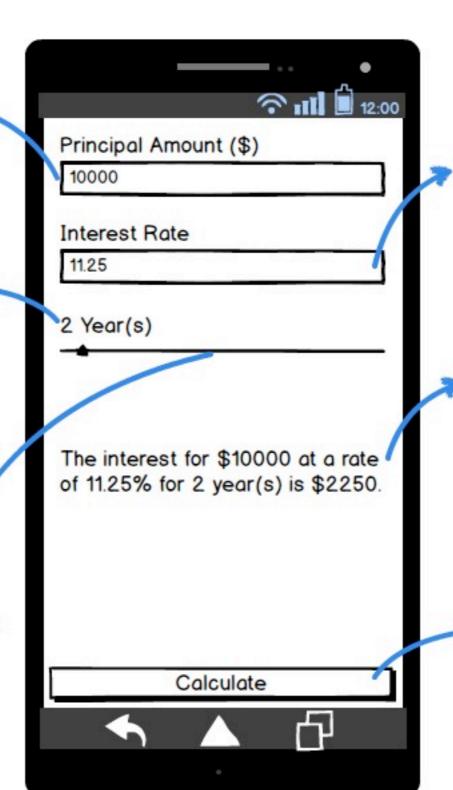
Input principal amount here.
What view would you use?

This text should update when you move the thumb on the SeekBar.

Expected behavior: When you choose 10 'years on the SeekBar, this text should read '10 Year(s)'

Use the OnSeekBarChangeListener

to update the number of years TextView when the user moves the SeekBar thumb.



Interest rate expressed in percent.

Display this sentence after you click the 'Calculate' button. Use the following formula for calculating Simple Interest.

Principal Amount x _____ x Years

Use an OnClickListener

to do the calculation using the formula given above and display the result.

Inputs and Results

- \$100 at 5% for I year yields \$5.00
- \$10,000 at 11.25% for 2 years yields \$2250.00
- \$5,122 at 5.7% for 5 years yields \$1459.77

Tips

- Getting a **String** from an **EditText**
 - String text = editText.getText().toString();
- Converting String to Double
 - double rate = Double.parseDouble(rateString);
- To restrict floating point results to 2 decimal places, use the following,
 - String.format("%.2f", anyDecimalNumber)

All the best!