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Object Oriented Programming

Final Project Report

Simple / Scientific Calculator

1. The following classes were written

* Answer
* FXMLAboutController
* FXMLCalculator
* FXMLCalculatorController
* FXMLScientificCalculator
* FXMLScientificCalculatorController
* RwfwcbCalculator
* RwfwcbCalculatorController

1. FXMLScientificCalculatorController.java is a subclass of FXMLCalculatorController.java.
2. RwfwcbCalculatorController implements the interface SimpleCalculator.
3. An ArrayList is utilized to hold the 3 scenes; this can be seen in FXMLCalculatorController.java.
4. Answer.java is the model for saving data (a saved calculator answer).
5. The UI switches between 3 scenes: FXMLAbout.java, FXMLCalculatorController.java, FXMLScientificCalculatorController.java.
6. The “About” page is accessed through the menu bar, clicking About -> About The Programmer.
7. This application saves calculator answers to a file in JSON format. This is seen in FXMLCalculatorController.java functions, handleOpen and handleSave.
8. The application does some exception handling try-catch in the handleSave function in FXMLCalculatorController.java, as well as some other places.

**Thanks for a good semester, have a good summer!**