Assignment : #6

Description : Final – Student Project

Class : CPW 253 Spring 2023

Instructor : Ken Meerdink

Student : Tung Kim

Project : Simple Calculator

Features : Fragment, Tabbed Interface, Live Data / Data Binding

I have been able to achieve 100% of my project as followed:

1. Created 3 Fragments: Calculator, History, Feedback
2. Successfully organized 3 fragments into Tabbed Interface.
3. The Simple Calculator in Calculator fragment is now working properly:
   1. Created 2 TextViews to display full input of the equation and current user input.
   2. All buttons work. All TextViews display information properly.
   3. Display error for divided by 0.
   4. Users could use the result of the previous equation as operand 1 for the next calculation without having to click on the Clear button to start over.
   5. If the operator is selected by mistake, Users are able to change the operator by clicking on another one without messing with a negative sign.
   6. Automatically add 0 to the front of a double number if users click the “.” Button first.
4. The History Fragment, I use Live Data / Data Binding to display calculating history from CalculatorFragment in a ListView. The Clear History button works properly.
5. The Feedback Fragment, I add validation to EditText and display a message after Submit button clicked.

