

Documentation of purposes and instructions

Purposes

To build an calculator that can calculate float number.

Instructions

-Basic calculation supported

-This calculator doesn't store formula more than two operation. (ex. no $3+3+3+3$)

-Combo calculation (ex. $3+3$ '+') will calculate $3+3 = 6$ and display it, while store + to operation(result: $6 +$ 'wait for user input') .

UI



Code scaffold

UI.xml >>

MainActivivty >>

Calculator (My class of calculator) <<all the functions are here

Code Functions

1~9 + '.' : **(VOID)Calculator.numberPress(String)**

Determine if there is a stored operation(for combo calculation). Then put the number after previous input. If input is a 'dot', check if dot already exists. If this is the second number input (ex. $3 + '3'$), make combo true for later calculation.

+*/ : **(VOID)Calculator.oper(String)**

Store the operation, if combo occur (ex. $3 + 3$ '-') execute previous formula. Store the result, set combo to true.

= : **(VOID)Calculator.equal()**

Execute the formula, reset calculator to perform a new calculation.

c : (VOID)Calculator.clear()

Clear the current number on display.

AC : (VOID)Calculator.all_clear()

Reset the calculator.