Documentation:

Objective:

1.Calculator :must have calculator basic function like +-\*/

2.Must be responsive to all button

3. On encountering a division by 0 the display should read "Cannot divide by 0"

4. Of course, any situation can be cleared using the main reset key “C”.

5.I have made the calculator which will perform the basic math function like addition,multiplication,subtraction and division.

6.added memory store function to the calculator

-mc= memory clear

M+= add the result of last store value

m-= subtract the result of last store value

mr-= recall the current value

7. added history log

7. added keyboard input to make the program more convenience

8. the aim of this project is to understand how programming work and how to write to the logic.

Test

-Check if all number are working including keyboard input(0 to 9)

-Check if arithmetic key are working(+-/\* and backspace)

-Check clear buttion is working

Tested function:

-Sum two numbers and verify the result is correct.

e.g 2+5=7

e.g 2222+5555=7777

-subtract two number and verify result

e.g 5-2=3

e.g 5555-2222=3333

-test division by 0

ensure number cannot by divide and alert will pop up

5/0 when equal alert pop up

-verify value store in the memory store is working

5>ms >5>m+=10

5>ms>5>m-=0

-Verify the history log and memory log is working

sum two number e.g 5+5+10 successfully show in history log

10 press ms button successfully added to memory log

Future enhancement

-Can make the ui better in visual

-Add more function like squareroot and percentage

-Option to add scientific calculation

-Add alert or error if value input include two decimal

-Option to chose other memory store value instead of last store value

Thing that not yet solve

-double decimal not able to show alert