Calculator

General- user can make operation with 2 numbers.

Details

Parts- output window and buttons: 1,2 numbers (0-9), 3 decimal (.), 4 operations ( +, -, /,x), 5 equal (=) and 6 clear data(Clear)

Expected outcome: Minimum press 4 buttons to get result of operation

Function need to write

clear-erases data of output and variables

isNumberSave-

if previous output (if exists) with current output is number (check rules repeating decimal, presss zero beginning more than one time) save return true

If only one is number save that one return true

If none number do nothing return false

* 1st button –if clear clear,

else if isNumberSave,

else (operator or equal) do nothing

* 2nd ..nth buttons stage before 2nd number stored – if value in first number

1. If clear clear isNumberSave
2. else if isNumberSave
3. else if equal do nothing
4. else (operator) – convert concatenated numbers to number. Save operator
5. 3rd … nth button stage- once 1sth number valid and valid operator
6. Clear clear
7. If isNumberSave - save to second number
8. If equal -do nothing
9. If 2nd button was number or decimal or equal- concatenate to number

* 4th button stage- once 2 valid numbers and operator (no if number since part of stage 3)

1. If equal– show result
2. else if operator – show result. store
3. If decimal – only if no decimals concatenate
4. If operator- only if previous number show result and save new operator. Convert result to 1sth number