Demo Project for Find Event Log Index Function in Macro

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1 Overview and Operation

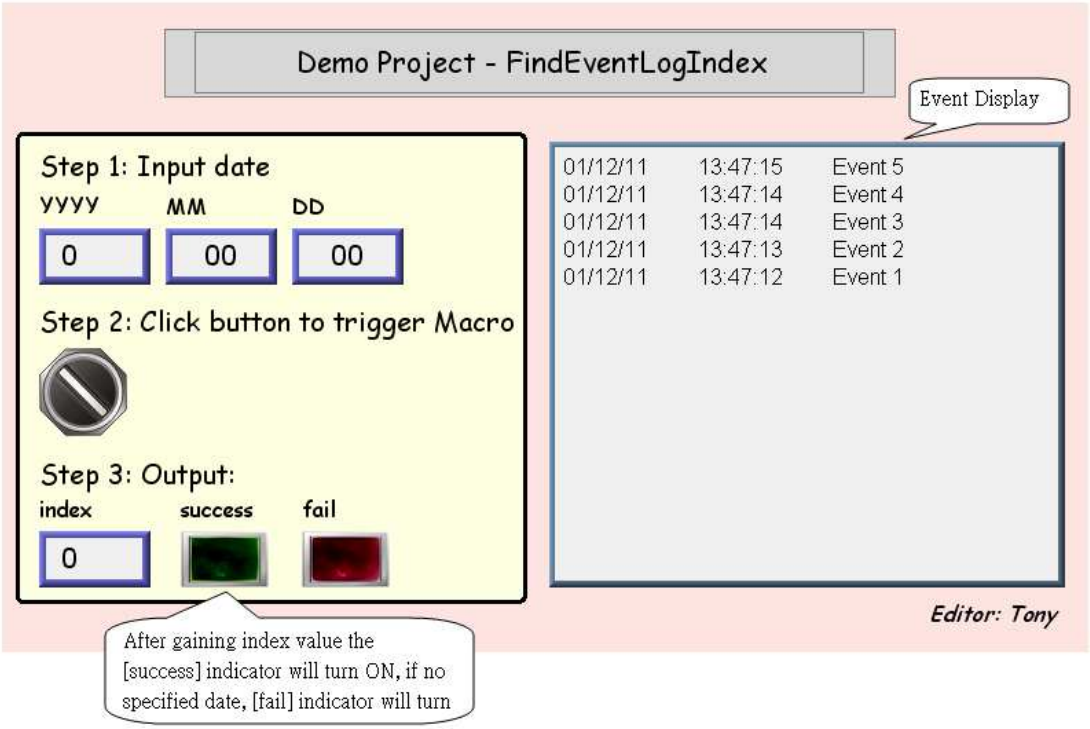
[Overview]

This demo project is to demonstrate how to use Macro: FindEventLogIndex() to gain the index value of Event Log. With Event Display Object the content of the Event Log of a specified date can be displayed as shown below.

```
1   macro_command main()
2   short index, year, month, day
3   short success, fail
4
5   // get data
6   GetData(year, "Local HMI", LW, 100, 1)
7   GetData(month, "Local HMI", LW, 102, 1)
8   GetData(day, "Local HMI", LW, 104, 1)
9
10  success = FindEventLogIndex(year, month, day, index)
11
12  // set data
13  SetData(index, "Local HMI", LW, 108, 1)
14  SetData(success, "Local HMI", LB, 112, 1)
15  fail = not success
16  SetData(fail, "Local HMI", LB, 110, 1)
17
18
19  end macro_command
20
```

[Operation]

Please refer to the following operation steps 1~3.

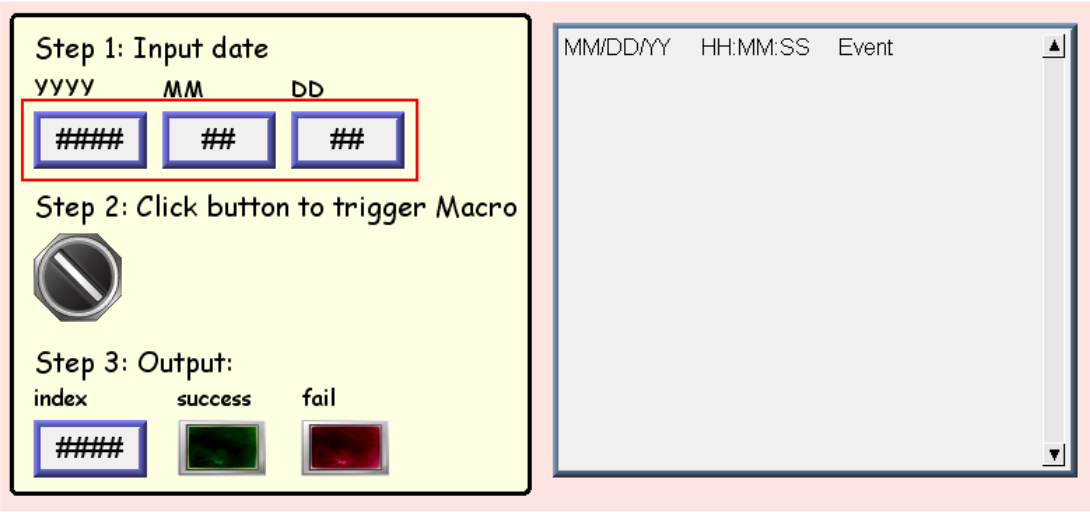


2 Setting Up the Screen

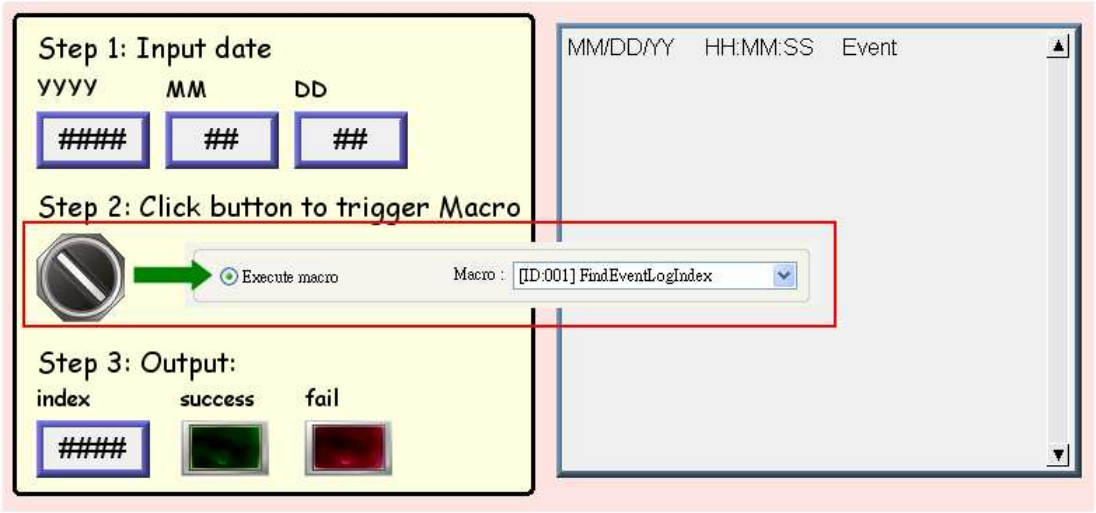
2-1 Edit Macro as shown below, the addresses used here are only examples which users are free to change.

```
1   macro_command main()
2   short index, year, month, day
3   short success, fail
4
5   // get data
6   GetData(year, "Local HMI", LW, 100, 1)
7   GetData(month, "Local HMI", LW, 102, 1)
8   GetData(day, "Local HMI", LW, 104, 1)
9
10  success = FindEventLogIndex(year, month, day, index)
11
12  // set data
13  SetData(index, "Local HMI", LW, 108, 1)
14  SetData(success, "Local HMI", LB, 112, 1)
15  fail = not success
16  SetData(fail, "Local HMI", LB, 110, 1)
17
18
19  end macro_command
20
```

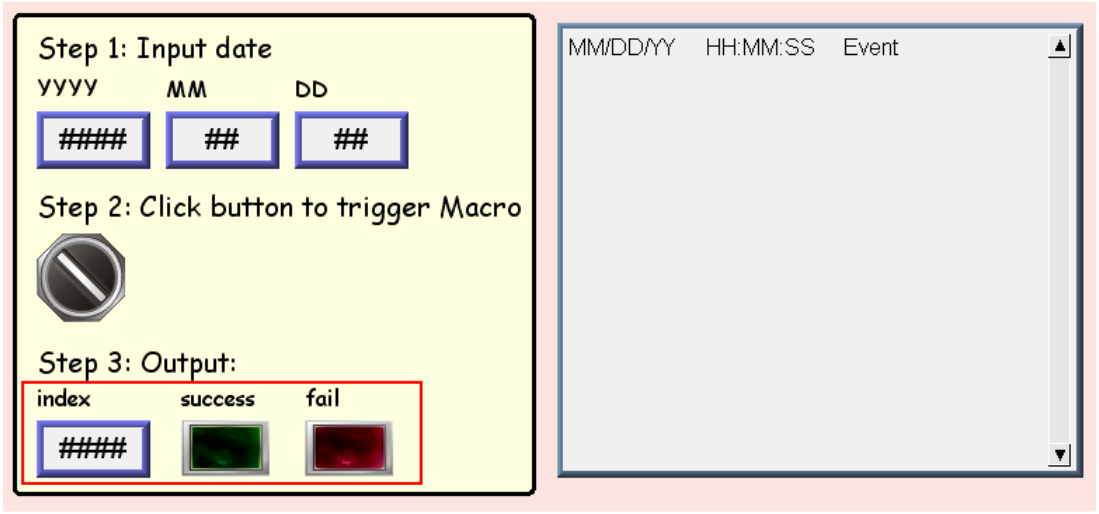
2-2 Add LW100, 102,104 for inputting the specified date.



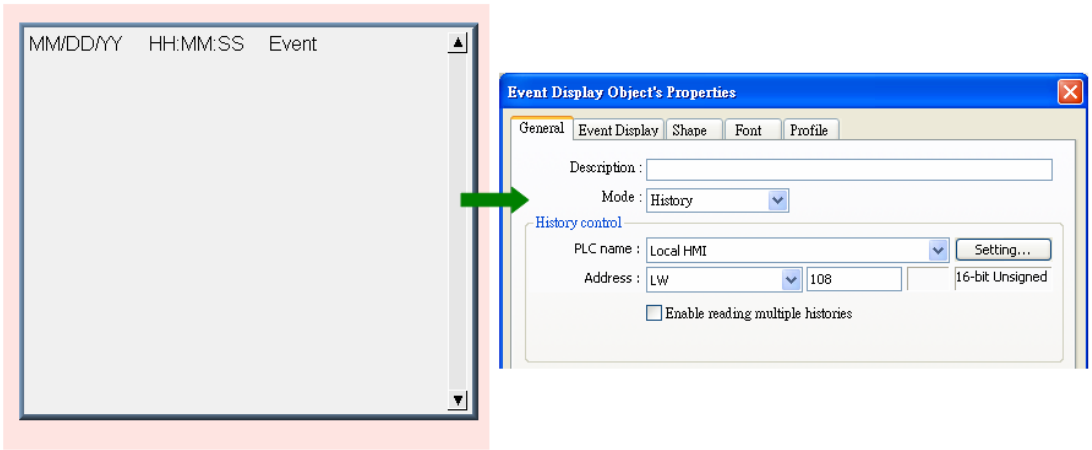
2-3 Create a Function Key Object to trigger Macro.



2-4 Add LW108 to display index value, and LB112, LB110 to respectively display if the index value is successfully gained or not.



2-5 Create an Event Display Object, set [History Control Address] to LW108.



3 Addresses

The Object Addresses used in this demo project are listed below: Users can change Addresses and Object ID base on actual usage.

Addresses		Object ID	Detail
Window 10			
Bit Lamp	LB110	BL_0	To display fail message
	LB112	BL_1	To display success message
Numeric Display	LW100	NE_0	Input Year
	LW102	NE_1	Input Month
	LW104	NE_2	Input Day
	LW108	NE_3	Display Index
Function Key		FK_0	To trigger macro