IOT ASSIGMNMENT

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IITH - Future Wireless Communications (FWC)

Contents

1 QUESTION

An 8085 microprocessor acesses two memory locations $(2001H)$ and $(2002H)$, that contains 8-bit numbers $98H$ and $B1H$, respectively. the following program is executed:
LXI H,$2001H$
MVI A,$21H$
INX H
ADD M
INX H
MOV M,A
HLT
At the end of this program ,the memory location $2003H$ contains the number in decimal(base 10) form

2 COMPONENTS

Component	Values	Quantity
Vaman	LC	1
JumperWires	M-F	20
Breadboard		1
LCD		1
Resistor	220ohms	2

3 LCD CONNECTIONS

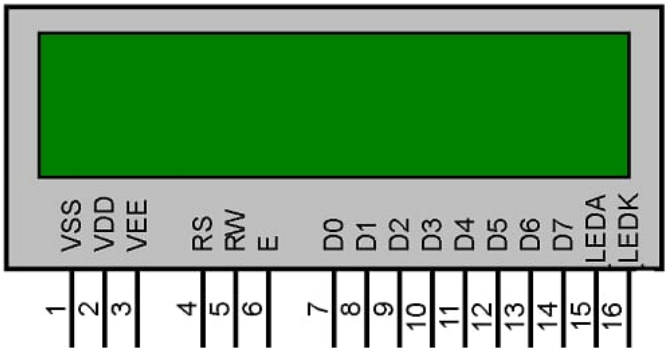

Fig. 1: lcd1

4 IMPLEMENTATION

Vaman PIN	lcd
GPIO19	4
GPIO23	6
GPIO18	11
GPIO17	12
GPIO16	13
GPIO15	14

Connections

a) PROCEDURE

1. Connect the circuit as per the above table.
2. connect the lcd to vaman

https://github.com/Vamsichowdary04/FutureWirelessCommunication-FWC/blob/main/IOTVAMAN/M210.cpp

5 LCD OUTPUT

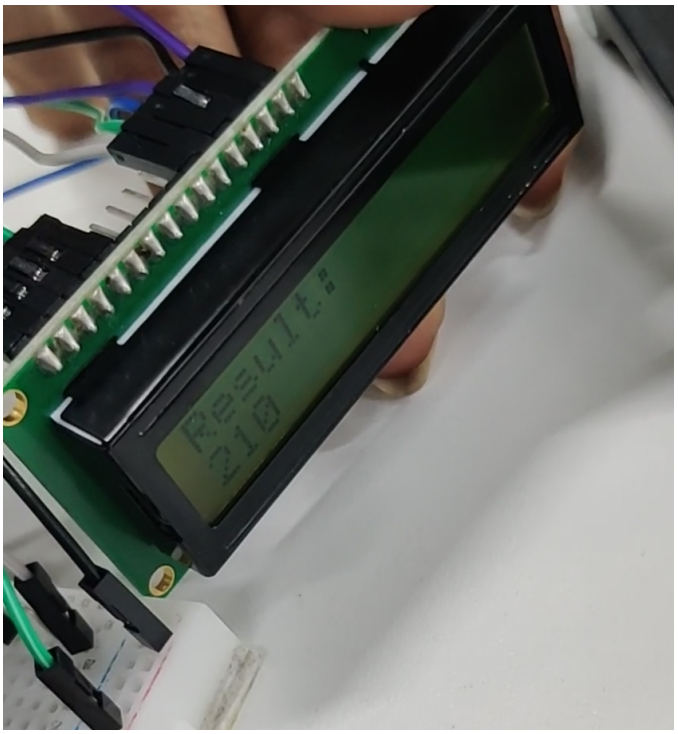

Fig. 2: vaman connection with lcd