

ARM Assignment

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1 Abstract

-Through this manual, we learn how to display sum of two numbers on LCD using vaman board

2 components

components	values	quantity
Vaman Board	-	1
LCD	16x2	1
bread board	-	1
jump wires	-	20

TABLE I

step 1

-Connect the 5V pin of the Vaman to an extreme pin of the Breadboard Let this pin be V cc .

step 2

-Connect the GND pin of the Vaman to the opposite extreme pin of the Breadboard.

step 3

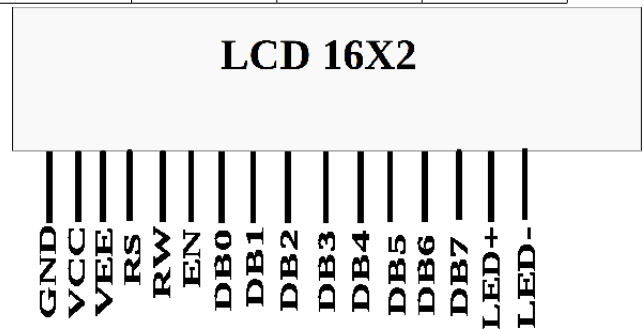
-plug the LCD in fig.7 to breadboard

step 4

-make the connections of vaman board and LCD according to tableII

TABLE II :Vaman to LCD connections

Pygmy	LCD pins	LCD pin label	LCD pin Description
GND	1	GND	
5V	2	Vcc	
GND	3	Vee	Contrast
10	4	RS	Register Select
GND	5	R/W	read/write
8	6	EN	Enable
7	11	DB4	Serial connection
6	12	DB5	Serial connection
5	13	DB6	Serial connection
4	14	DB7	Serial connection
5V	15	LED+	Backlight
GND	16	LED-	Backlight



Software

Make the connections and connect the Vaman board to the PC via USB. In the location of choice, type the below commands

1. `svncohttps : //github.com/kkousar/KOUSARFWC/tree/main`
2. `cdLCD/GCCproject`
3. `make`
4. `cd../..`
5. `bashscp_send.shGCCproject`