printing sum of two numbers on LCD

kanekal kousar

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1 Abstract

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

2 components

components	values	quantity
Resistor	220ohm	1
Arduino	UNO	1
LCD	16x2	1
bread board	-	1
jump wires	-	20

TABLE I

step 1

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

step 2

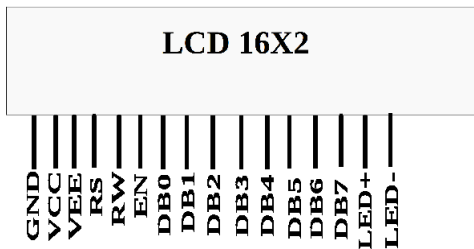-Connect the GND pin of the Arduino to the opposite extreme pin of the Breadboard.

step 3

-plug the LCD in fig.7 to breadboard

step 4

-Connect the 220Ohm resistance from Vcc to pin 15 (Led+) of the LCD.

step 5

-Connect the arduino to the computer so that it is powered.

TABLE II :Arduino to LCD connections

Arduino pins	LCD pins	LCD pin label	LCD pin Description
GND	1	GND	
5V	2	Vcc	
GND	3	Vee	Contrast
D8	4	RS	Register Select
GND	5	R/W	read/write
D9	6	EN	Enable
D10	11	DB4	Serial connection
D11	12	DB5	Serial connection
D12	13	DB6	Serial connection
D13	14	DB7	Serial connection
5V	15	LED+	Backlight
GND	16	LED-	Backlight

LCD 16X2

GND VCC VEE RS RW EN DB0 DB1 DB2 DB3 DB4 DB5 DB6 DB7 LED+ LED-

step 6

-make the Arduino to LCD pin connections as show
in table II

step 7

-Open the Arduino IDE and type the following code.

```
https://github.com/kkousar/KOUSAR_FWC/blob/main/avr_gcc_assignment/lcd_code/lcd_code.c
```

Result

-on LCD display you will get the sum of numbers