IOT Lab - 5th Sem

Name: Rajath MK, USN: 1BM18CS079

Program No: 14, Week: 7

Program Title: LCD

Aim:

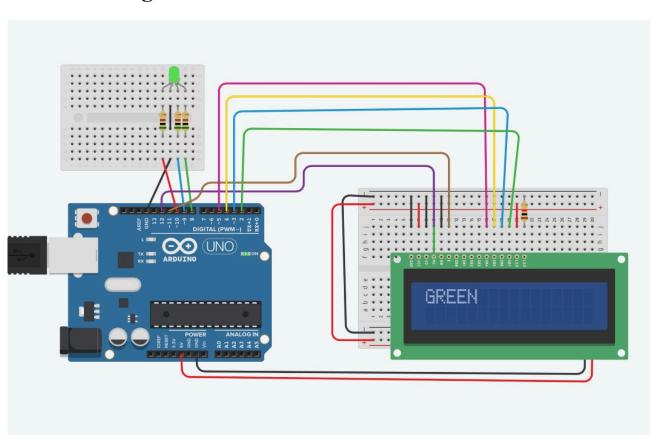
To switch colours using a RGB led and display the current colour in the LCD display using an Arduino Uno board

.

Hardware Required:

- Arduino Uno Board
- RGB LED
- LCD Panel
- 4 X 240 Ohm Resistor

Circuit Diagram:



Written Code:

		,
		Rajath.M.X
	#include < Liquid Coystal . b>	Rajoti.M.X IBM 18CS079
	#include < Liquid Crystal . h> Liquid Crystal led (A) (12, 11, 5, 4, 3, 2);	
	(12, 11, 5, 9, 3, 2),	
	int red 210	
,	int green= 8	
	int 61 ve = 9	
10	pin Mode (green, OUTPUT) pin Mode (green, OUTPUT)	
	Pin Modelgreen, OutPut)	
	pinmole (vive, OUTPUT);	
	3	
15	unid lave (18	
	void loop (15 led. set (150/(0,0))	
(RGB_color(255,0,0);. (cd.print("RED"); Jelay (1000);	
2	Jelay (1000);	
	(ed clew())	
	RGB-Color (0, 25), 0);	
{	Led DCirt ("Seer /	
-	del ay (1000) 11d: clear();	
(
	RGB-color(0,0,250);	
3	led print("Blue"); delay(1000); led clear();	
	delay (1000)	
	CO. Mearly	
-		

Scanned with CamScanner

	Camlin Page	Camlin Page
	Date I I	
		
	void RGB-color introdu, int green u, int blue v)
	3	
	analog Write (red, redv); analog Write (g.reen, greenv);	
	analog Write (s. reen a green V)	
	, and log Write (Like, Vive V);	
1	}	

Observation / Output :The LED turns from Red – Blue – Green and the name of the current colour is displayed on the LCD.