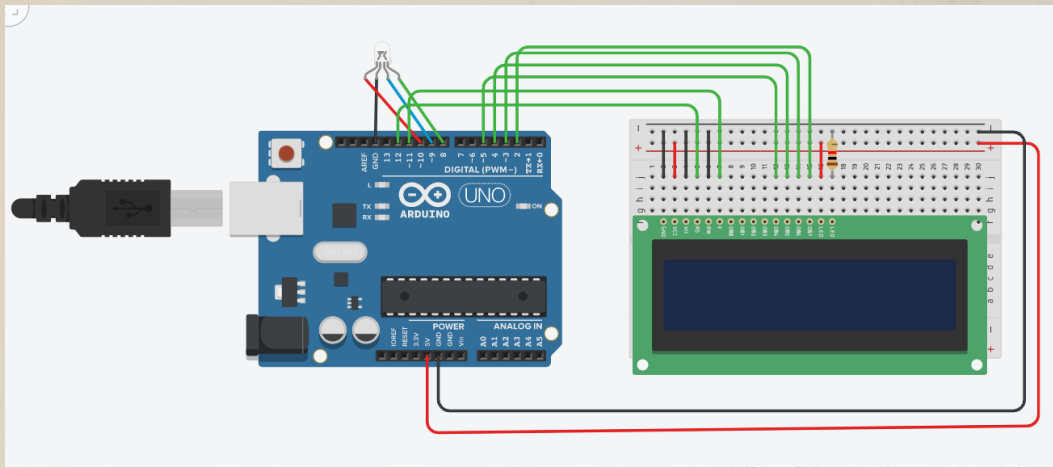PROGRAM - 15

Title: RGB LCD

Aim: To print the colour on the LCD screen

Hardware Required: Arduino Board, RGB LED, Resistor, LCD, wires.

Circuit Diagram:

Code:

```
#include <Liquid Crystal.h>
Liquid Crystal lcd (12, 11, 5, 4, 3, 2);
void setup()
{
    lcd. begin (16,2);
    pinMode (8, OUTPUT);
    pinMode (9, OUTPUT);
    pinMode (10, OUTPUT);
    lcd.print ("RGB colour print");

}
```

```
void loop()
{
    delay (1000);
    digitalWrite (10, HIGH);
    digitalWrite (9, LOW);
    digitalWrite (8, LOW);
    lcd.print ("RED");
    delay (1000);
    lcd.clear();
    digitalWrite (9, HIGH);
    digitalWrite (10, LOW);
    digitalWrite (8, LOW);
    lcd.print ("GREEN");   // BLUE
    delay (1000);
    lcd.clear();
    digitalWrite (8, HIGH);
    digitalWrite (10, LOW);
    digitalWrite (9, LOW);
    delay (1000);
    lcd.clear();
}
```

Observations / Conclusion:

We can see the colour getting print on LCD.