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Program no Week-7(1st-Question)

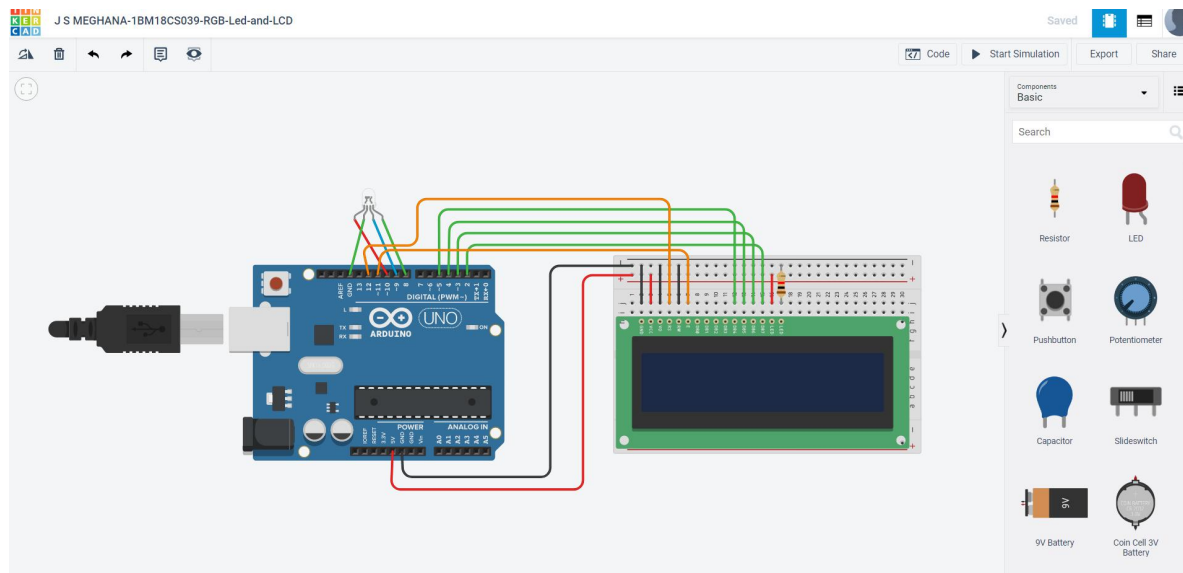
Program Title System to Print Red, Blue, Green colours

Aim: Design a display system to print Red, Blue and Green colors(RGB and LCD).

Hardware Required

1. Arduino Board
2. Bread Board
3. LCD
4. RGB LED
5. Resistor

Circuit Diagram



Code:

```
#include <LiquidCrystal.h>
#define red 10
#define green 8
#define blue 9
LiquidCrystal lcd(12, 11, 5, 4, 3, 2);
void setup()
{
  lcd.begin(16,2);
  lcd.setCursor(6,0);
  pinMode(red, OUTPUT);
  pinMode(green, OUTPUT);
  pinMode(blue, OUTPUT);
}
void loop()
```

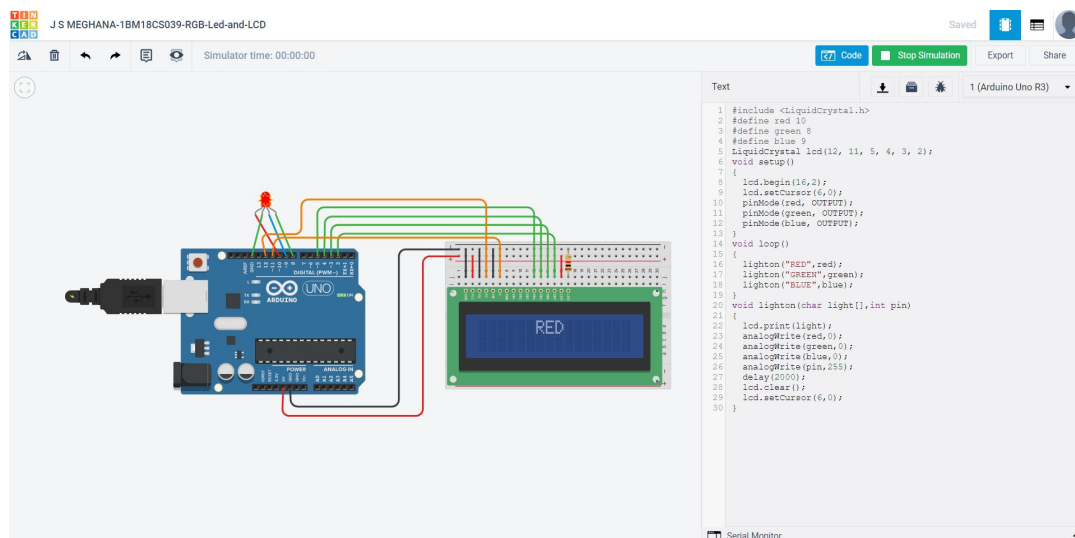
```

{
  lighton("RED",red);
  lighton("GREEN",green);
  lighton("BLUE",blue);
}
void lighton(char light[],int pin)
{
  lcd.print(light);
  analogWrite(red,0);
  analogWrite(green,0);
  analogWrite(blue,0);
  analogWrite(pin,255);
  delay(2000);
  lcd.clear();
  lcd.setCursor(6,0);
}

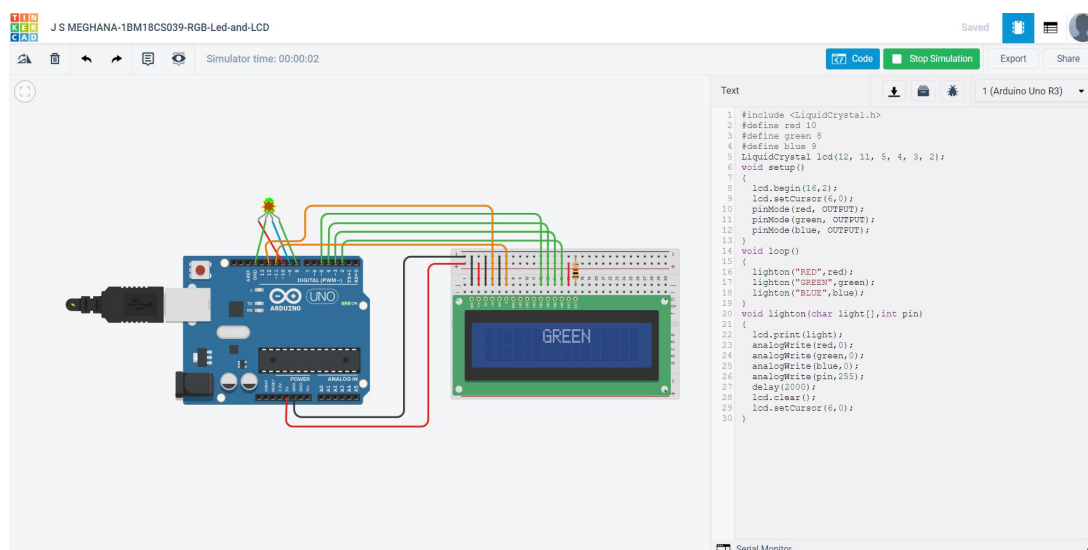
```

Observation /Output:

Output-1:



Output-2:



Output-3:

