

tinkercad.com/things/hM5jWBMV69j-frantic-leelo-hillar/edit

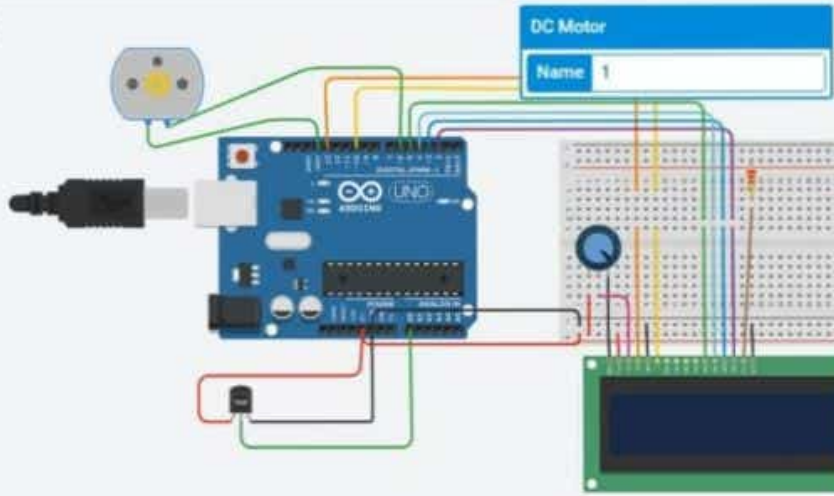
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Frantic Leelo-Hillar

All changes saved

Code Start Simulation Export Share

1 (Arduino Uno R3)



DC Motor
Name 1

```
38 lcd.setCursor(3,0);lcd.print(TEMP);delay(500);
39 delay(1000);
40
41 if(TEMP>20 && TEMP<40)
42 {
43   brightness = 80;analogWrite(led4, brightness);delay (1000);
44 }
45
46 if(TEMP>40 && TEMP<60)
47 {
48   brightness = 120;analogWrite(led4, brightness);delay (1000);
49 }
50
51 if(TEMP>60 && TEMP<80)
52 {
53   brightness = 160;analogWrite(led4, brightness);delay (1000);
54 }
55
56 if(TEMP>80 && TEMP<100)
57 {
58   brightness = 200;analogWrite(led4, brightness);delay (1000);
59 }
60 if(TEMP>100 && TEMP<120)
61 {
62   brightness = 250;analogWrite(led4, brightness);delay (1000);
63 }
64
65 }
```

Serial Monitor

tinkercad.com/things/hM5W8MVb5j-frantic-leelo-hillar/edit

Frantic Leelo-Hillar

Code Start Simulation Export Share

DC Motor
Name 1

```
38 lcd.setCursor(3,0);lcd.print(TEMP);delay(500);
39 delay(1000);
40
41 if(TEMP>20 && TEMP<30)
42 {
43   brightness = 80;analogWrite(led4, brightness);delay (1000);
44 }
45
46 if(TEMP>30 && TEMP<40)
47 {
48   brightness = 120;analogWrite(led4, brightness);delay (1000);
49 }
50
51 if(TEMP>40 && TEMP<50)
52 {
53   brightness = 160;analogWrite(led4, brightness);delay (1000);
54 }
55
56 if(TEMP>50 && TEMP<60)
57 {
58   brightness = 200;analogWrite(led4, brightness);delay (1000);
59 }
60 if(TEMP>60 && TEMP<100)
61 {
62   brightness = 250;analogWrite(led4, brightness);delay (1000);
63 }
64
65 }
```

Serial Monitor

tinkercad.com/thingi/hMSiWBMVb5-frantic-leelo-hillar/edit

Frantic Leelo-Hillar

DC Motor
Name 1

```
void loop()
{
  val = analogRead(0);
  float T=( val/1024.0)*5000;
  float TEMP= T/10;
  lcd.setCursor(0,0);lcd.print("T:");
  lcd.setCursor(5,0);lcd.print(TEMP);delay(500);
  delay(1000);

  if(TEMP>30 && TEMP<35)
  {
    brightness = 80;analogWrite(led4, brightness);delay (1000);
  }

  if(TEMP>35 && TEMP<40)
  {
    brightness = 120;analogWrite(led4, brightness);delay (1000);
  }

  if(TEMP>40 && TEMP<50)
  {
    brightness = 160;analogWrite(led4, brightness);delay (1000);
  }

  if(TEMP>50 && TEMP<60)
  {
    brightness = 200;analogWrite(led4, brightness);delay (1000);
  }
}
```

Serial Monitor

tinkercad.com/things/hM5iWBMVb?frantic-leelo-hillar/edit#t=components

Frantic Leelo-Hillar

DC Motor
Name 1

```
13 pinMode(led4, OUTPUT);
14
15 analogWrite(led4, brightness); //pwm
16 led.clear();
17 brightness = 0;
18 analogWrite(led4, brightness);delay (1000);
19 led.setCursor(0,0);
20 led.print("Masso Controller");
21 led.setCursor(0,1);
22 led.print("Based Automatic");
23 delay(2000);
24 led.clear();
25 led.setCursor(0,0);
26 led.print(" Temperature ");
27 led.setCursor(0,1);
28 led.print("FAN SPEED CONTROL");
29 delay(3000);
30 led.clear();
31 }
32 void loop()
33 {
34   val = analogRead(0);
35   float T=( val/1024.0)*5000;
36   float TEMP= T/10;
37   led.setCursor(0,0);led.print("T:");
38   led.setCursor(3,0);led.print(TEMP);delay(500);
39   delay(1000);
40 }
```

Serial Monitor

tinkercad.com/things/hMSiWBMVb9j-frantic-leelo-hillar/edit#t=components

Frantic Leelo-Hillar

DC Motor
Name 1

Code

```
1 #include <LiquidCrystal.h>
2 LiquidCrystal lcd(13, 10, 5, 4, 3, 2);
3
4
5 int val;
6 float TEMP;
7 int led4 = 6; //Connect LED4 To Pin #pwm pin
8 int brightness = 0; // how bright the LED is
9
10 void setup()
11 {
12   lcd.begin(16,2);
13   pinMode(led4, OUTPUT);
14
15   analogWrite(led4, brightness); //pwm
16   lcd.clear();
17   brightness = 0;
18   analogWrite(led4, brightness);delay (1000);
19   lcd.setCursor(0,0);
20   lcd.print("Micro Controller");
21   lcd.setCursor(0,1);
22   lcd.print("Based Automatic");
23   delay(3000);
24   lcd.clear();
25   lcd.setCursor(0,0);
26   lcd.print(" Temperature ");
27   lcd.setCursor(0,1);
28   lcd.print("FAN SPEED CONTROL");
29 }
```

Serial Monitor

