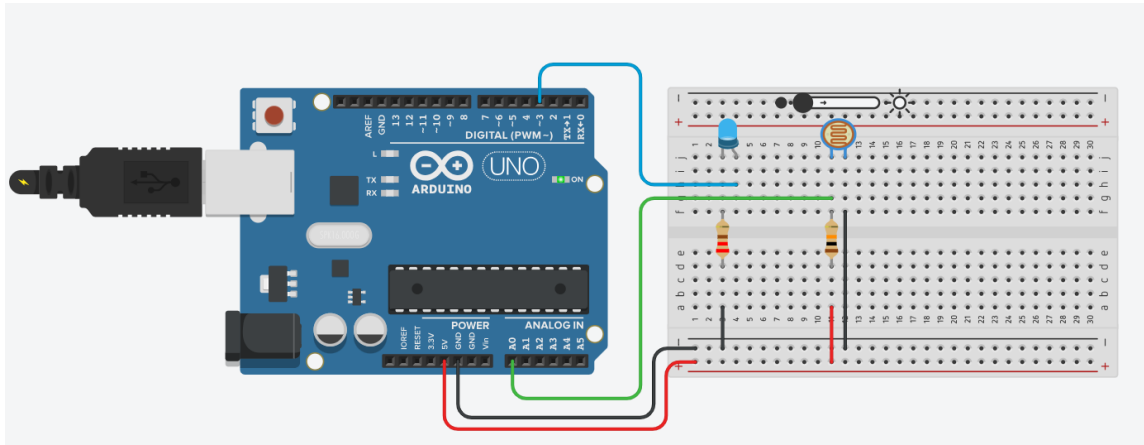


Name: B. SAI CHARAN

Roll No: 2203A51L72 (Batch-12)

EXPERIMENT 4: Measure the brightness of light and turn ON and OFF the LED using photo resistor



CODE:

```
Text 1 (Arduino Uno R3)
1 #define pinLed 3
2 #define pinFoto A0
3
4 void setup() {
5     Serial.begin(9600); // Initialize serial communication
6     pinMode(pinLed, OUTPUT);
7     pinMode(pinFoto, INPUT);
8 }
9
10 void loop() {
11     int fotoValue = analogRead(pinFoto);
12     Serial.print("Brightness: ");
13     Serial.println(fotoValue);
14     analogWrite(pinLed, fotoValue / 4);
15     delay(100);
16 }
17
```

Serial Monitor

Brightness: 969
Brightness: 969
Brightness: 969
Brightness: 969

Send Clear