IOT LAB - 5th Sem

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Program Title : Light Sensor

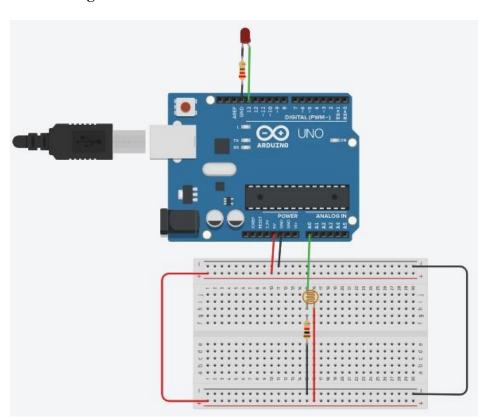
Aim:

To turn on and off an LED beyond a certain threshold using an Arduino Uno board.

Hardware Required

- Arduino Uno Board
- LDR
- LED
- 2 Resistors

Circuit Diagram -



Written Code:

```
digital Write (13, LOW);
delay(1000);
```

```
K.J. Varad - vitral
6) LDR
     int Ida=Ao;
     intidavalue=0;
     int light_sensitivity = 500;
     Void Setup()
     Serial. Degin (9600);
        Pin Mode (13,00TPUT);
     Void 100p ()
      Idevalue = analog Read (Idn);
      Serial priot In(Idwalue);
      if (Idavalue < light - Sensitivity)
       dégital Worite (13,41GH);
       else
```

Observation / Output:

The LED turned off as the light increased beyond the threshold.