IOT Lab - 5th Sem

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Program No : 13 , Week : 7
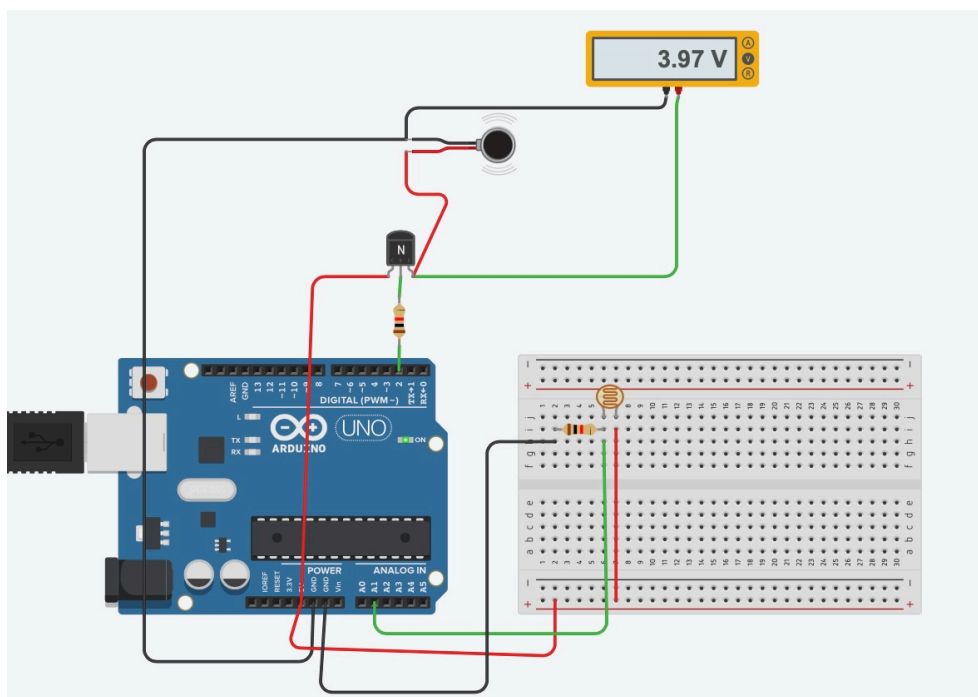
Program Title :Vibration LDR

Aim :

To turn on the vibrator when the LDR detects light using an Arduino Uno board.

Hardware Required :

- Arduino Uno Board

- NPN Transistor

- Multimeter

- Vibrator Motor

- 1K Ohm Resistor X 2

- LDR

- Buzzer

Circuit Diagram :

Written Code :

Rajath .M.K

13 - Vibration-LDR   IBM18CS079

```
void setup() {
    PinMode (2, OUTPUT);
    Serial.begin(9600);
}

void loop() {
    int val = analogRead (A1);
    Serial.println (value);

    if (value > 400) {
        digital write (2, High);
    }
    else {
        digital write (2, Low);
    }
    delay (1000);
}
```

Observation / Output :

The vibrator and buzzer turns on once the LDR detects light.