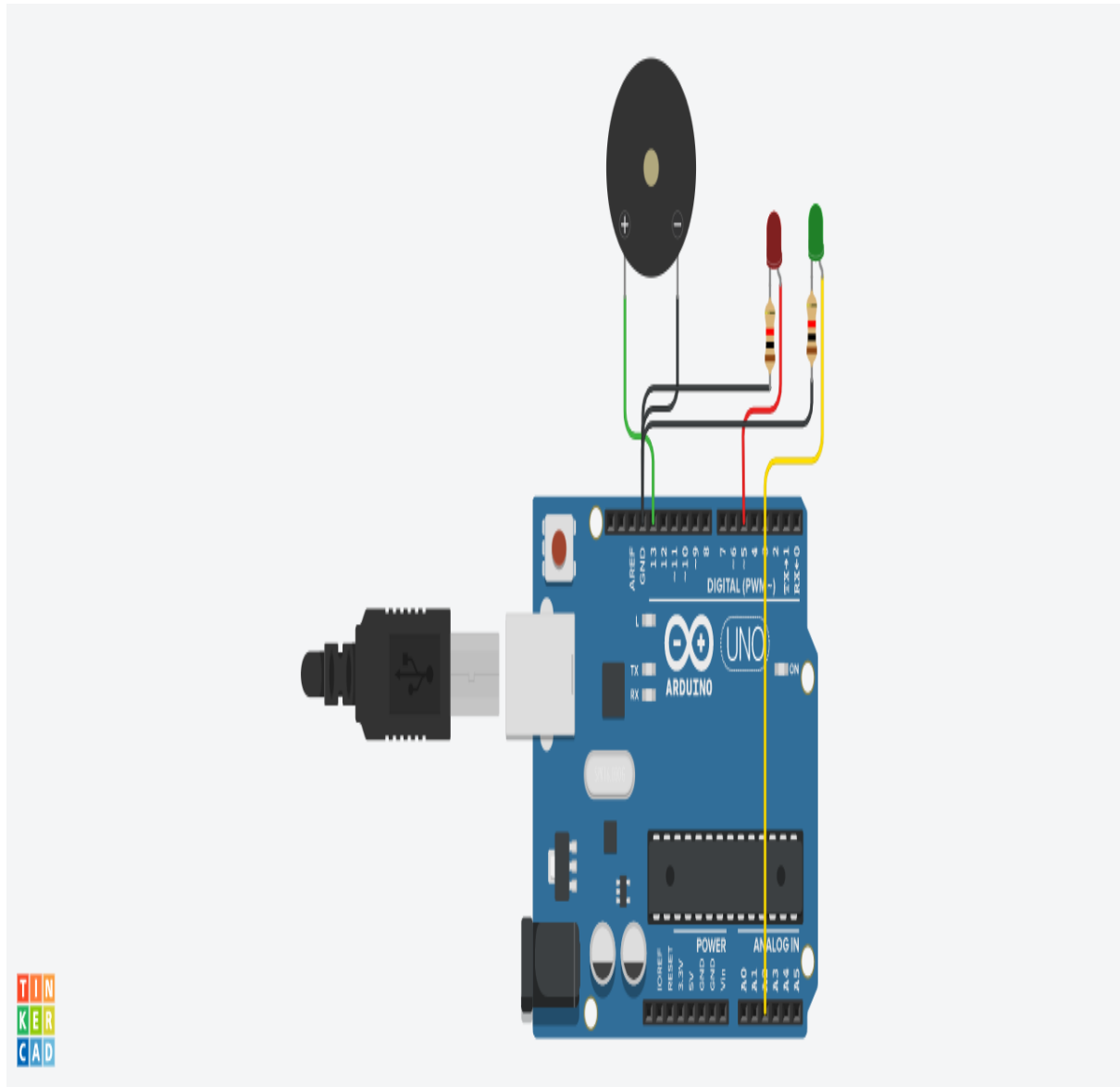# ASSIGNMENT NO:1

```arduino
const int ledPin = 13;

const int ldrPin = A0;

void setup() {

Serial.begin(9600);

pinMode(ledPin, OUTPUT);

pinMode(ldrPin, INPUT);

}

void loop() {

int ldrStatus = analogRead(ldrPin);

if (ldrStatus <= 200) {

digitalWrite(ledPin, HIGH);

Serial.print("Its DARK, Turn on the LED : ");

Serial.println(ldrStatus);

} else {
```

```
  digitalWrite(ledPin, LOW);

  Serial.print("Its BRIGHT, Turn off the LED : ");

  Serial.println(ldrStatus);

  }

}
```