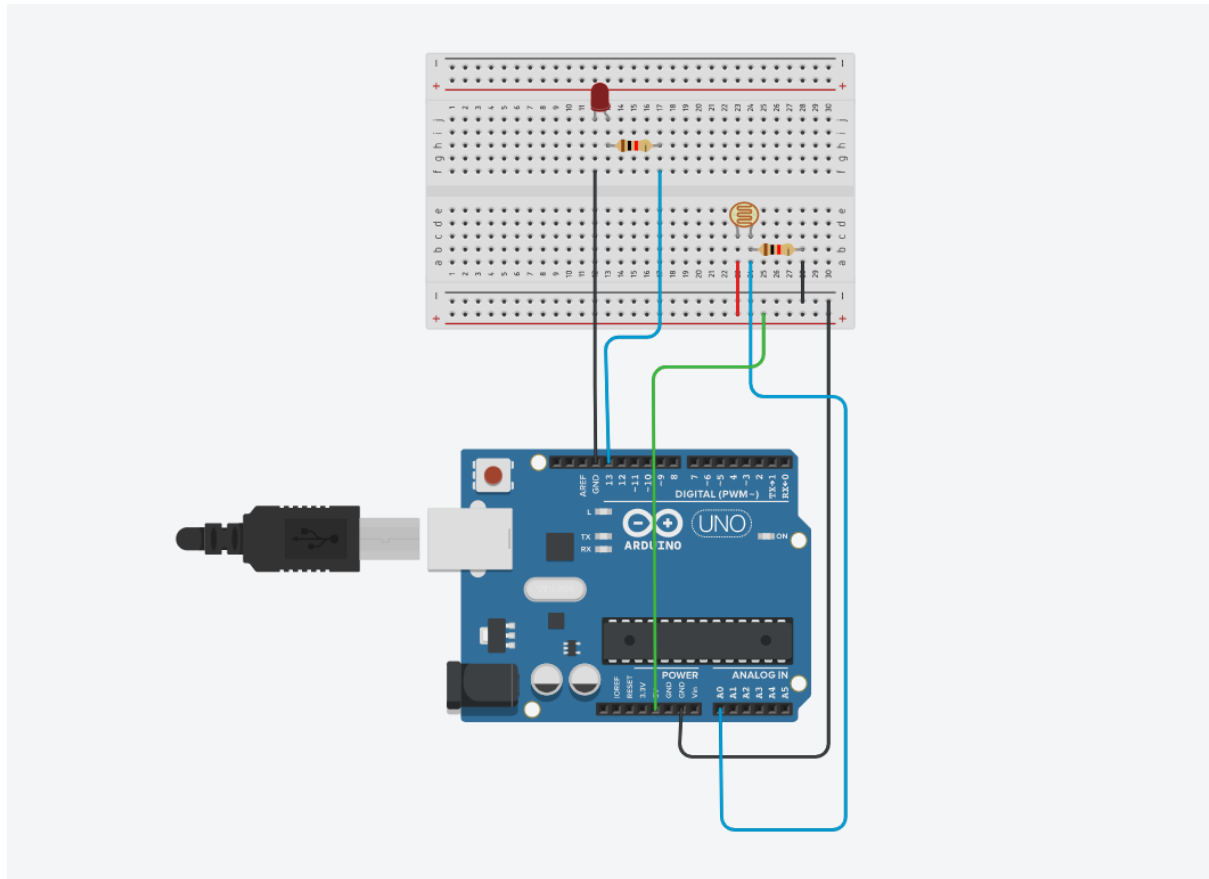


BEEE Evaluation :

Circuit diagram



Theory

Concept used:

1. Led is switched on when the sensor sense darkness in the Amirah.
2. Led is switched off when light enter in the Amirah and falls on the sensor.

Code:

```
int light = 0;
```

```
void setup() {
```

```
Serial.begin(9600);  
pinMode(13, OUTPUT);  
}  
  
void loop() {  
  
    light = analogRead(A0);  
    Serial.println(light);  
  
    if(light > 450) {  
        Serial.println("It is quite light!");  
        digitalWrite(13,LOW);  
  
    }  
    else if(light > 229 && light < 451) {  
        Serial.println("It is average light!");  
        digitalWrite(13, HIGH);  
  
    }  
    else { // If it's dark...  
        Serial.println("It is pretty dark!");  
        digitalWrite(13,HIGH);  
  
    }  
    delay(1000);  
}
```

Learning and observations :

Working of a led with sensor.

Connection terminal with light sensor , led , and Arduino.

Precautions:

1. Connections must be correct
2. Connections must be tight
3. Led connected with care
4. Sensor connected caerfully