

ASSIGNMENT NO:1

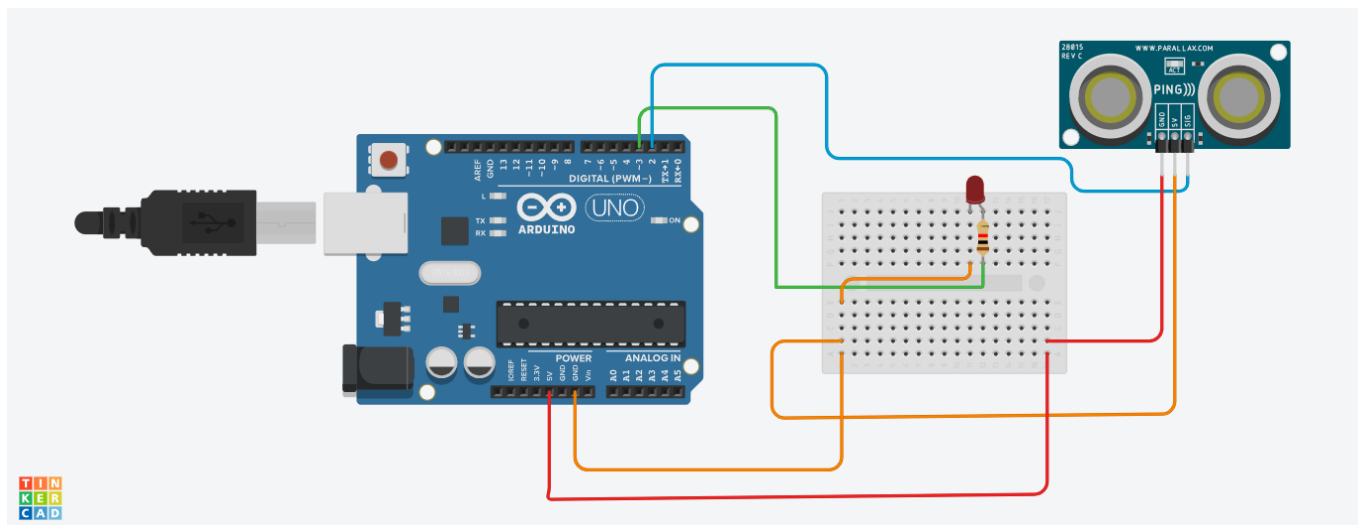
TOPIC : Make a Smart Home in Tinker cad, using 2+ sensors,
LED, Buzzer in single code and circuit

BATCH NO :B3-3M5E

TEAM ID : PNT2022TMID33556

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CIRCUIT DIAGRAM:



CODE :

```
int soundSensor = 2;

int LED = 3;

void setup()

{

    pinMode(soundSensor, INPUT);

    pinMode (LED,OUTPUT);

}

void loop()

{

    int statusSensor = digitalRead(soundSensor);

    if(statusSensor == 1)

    {

        digitalWrite (LED,HIGH);

    }

    else

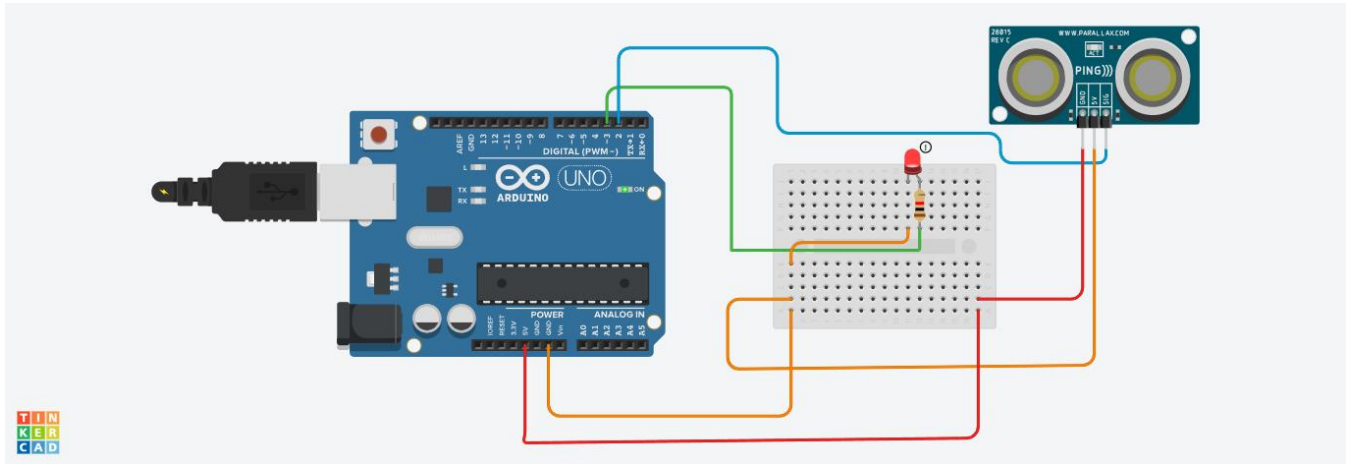
    {

        digitalWrite(LED,LOW);

    }

}
```

AFTER SIMULATION:



CONCLUSION:

Here I designed the automatic light turn on circuit when the intensity of light decreases using Arduino UNO.