## 20BCE10471 | VIT Bhopal Campus

# Suresh Mahalingam Konar

### Assignment: 1

In Wokwi platform, if the distance is less than 100 cms for ultrasonic sensor, glow a LED

#### Implementation

#### Code:

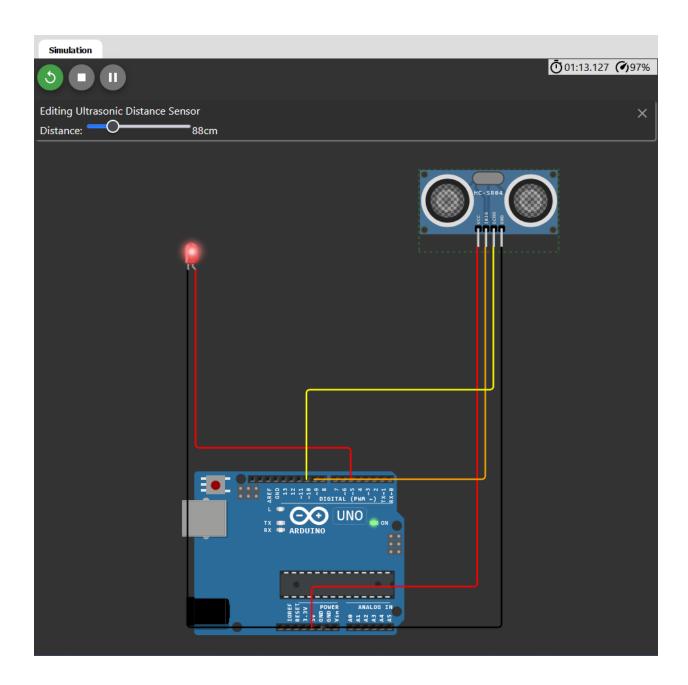
```
sketch.ino • diagram.json • Library Manager

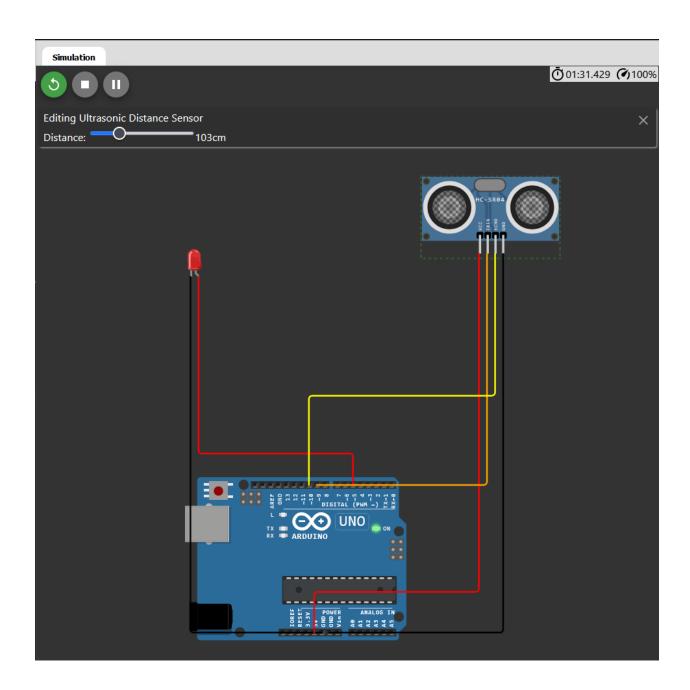
int led=5;
int trig=9;
int echo=10;

void setup() {
    pinMode(led,OUTPUT);
    pinMode(led,OUTPUT);
    pinMode(echo,INPUT);
    // put your setup code here, to run once:

    void loop() {
        digitalWrite(trig,HIGH);
        delayMicroseconds(10);
        digitalWrite(trig,LOW);
        long duration = pulseIn(echo,HIGH);
        int distance=duration*0.034/2;
        if(distance < 100){
              digitalWrite(led,HIGH);
        }
        else{
              digitalWrite(led,LOW);
        }
}</pre>
```

#### Simulation:





## Wokwi Link

Assignemnt Open link : Link

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