# ASSIGNMENT-4 DISTANCE DETECTION USING ULTRASONIC SENSOR

Date	28 October 2022		
Team ID	PNT2022TMID46387		
Student Register Number	820319104007		
Student Names	ARCHANA B		
Project Name	Personal Assistance for Seniors Who Are Self Reliant		
Maximum Marks	2 Marks		

# Question:

- Write code and connections in wokwi for ultrasonic sensor.
- Whenever distance is less than 100 cms send "alert" to ibm cloud and display in device recent events.

## **WOKWI LINK:**

https://wokwi.com/projects/305566932847821378

## CODE:

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80 Serial.println("NO Object Found");
81 object="No";
               payload += dist;
payload += " "\obj
payload += object;
                Serial.print("Sending Payload:");
Serial.println(payload);
               if(client.publish(publishTopic,(char*) psyload.c_str())){
    Serial.println("Publish (k");
}else(
    Serial.println("publish failed");
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Similar

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Serial printle("Suscribetopic, byte "payload_unsigned int payload_ength)

Serial printle(subscribetopic);

for(int i=0;icpayload_ength;i++)(

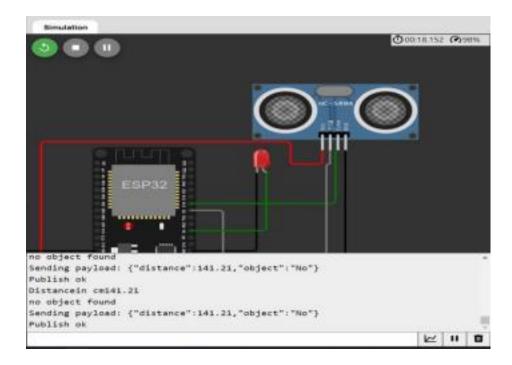
detal ==(char)payload[i];

databe";

databe";
```

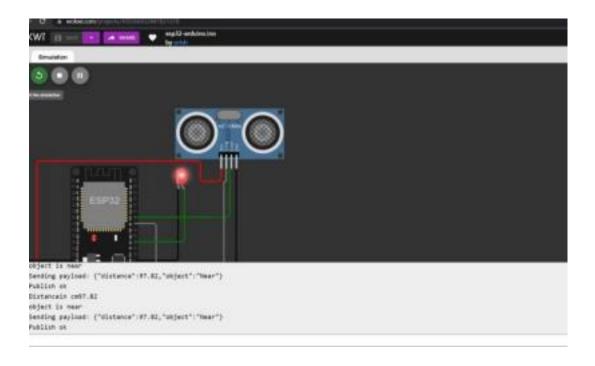
#### **OUTPUT:**

## **OUTPUT ON WOKWI SITE**





# **OUTPUT ON WOKWI SITE**



# **IBM CLOUD DATA GENEREATION**

