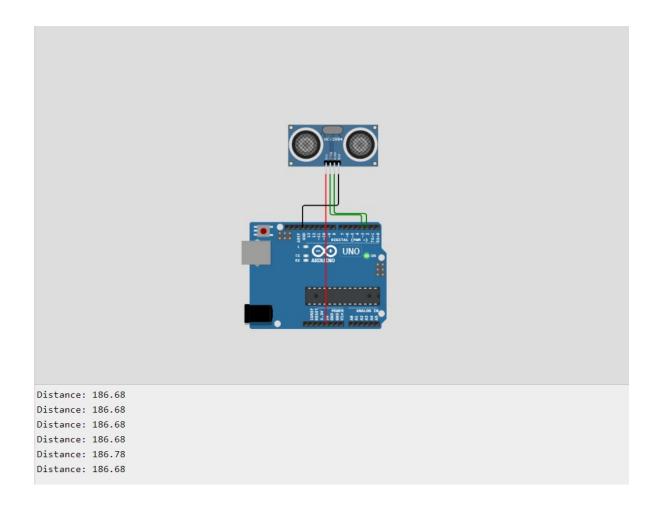
## Assignment - 4

Date	19 September 2022	
Team ID	PNT2022TMID39877	
Project Name	Project – Smart Farmer - IoT Enabled Smart Farming Application	
Maximum Marks	2 Marks	
Student Name	Balaji.R	

## Code:

```
#define ECHO_PIN 2
#define TRIG_PIN 3
void setup() {
  Serial.begin(9600);
  pinMode(TRIG_PIN, OUTPUT);
  pinMode(ECHO_PIN, INPUT);
float readDistanceCM() {
  digitalWrite(TRIG_PIN, LOW);
  delayMicroseconds(2);
  digitalWrite(TRIG_PIN, HIGH);
  delayMicroseconds(10);
  digitalWrite(TRIG_PIN, LOW);
  int duration = pulseIn(ECHO_PIN, HIGH);
  return duration * 0.034 / 2;
void loop() {
 float distance = readDistanceCM();
 if(distance <= 100)</pre>
   Serial.println("person detected ");
 else{
 Serial.print("Measured distance: ");
 Serial.println(readDistanceCM());
  delay(100);
```



## Wokwi Link: https://wokwi.com/projects/347141910665626194

## **IBM CLOUD:**

Event	Value	Format	Last Received
event_1	{"Persondetected" }	json	a few seconds ago
event_1	{"Persondetected" }	json	a few seconds ago
event_1	{"Persondetected" }	json	a few seconds ago
event_1	{"Persondetected" }	json	a few seconds ago
event_1	{"Persondetected" }	json	a few seconds ago