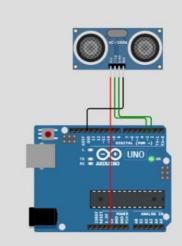
Code:

```
#define ECHO PIN 2
#define TRIG_PIN 3
#define ORG "9g75cf"
#define DEVICE_TYPE "assignment"
#define DEVICE_ID "1234"
#define TOKEN_ID "12345678"
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("Movement detected ");
  else {
   Serial.print("Distance: ");
   Serial.println(readDistanceCM());
  }
 delay(1000);
}
```



Distance: 186.68 Distance: 186.68 Distance: 186.68 Distance: 186.68 Distance: 186.78 Distance: 186.68

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