ASSIGNMENT-4 Anitha K

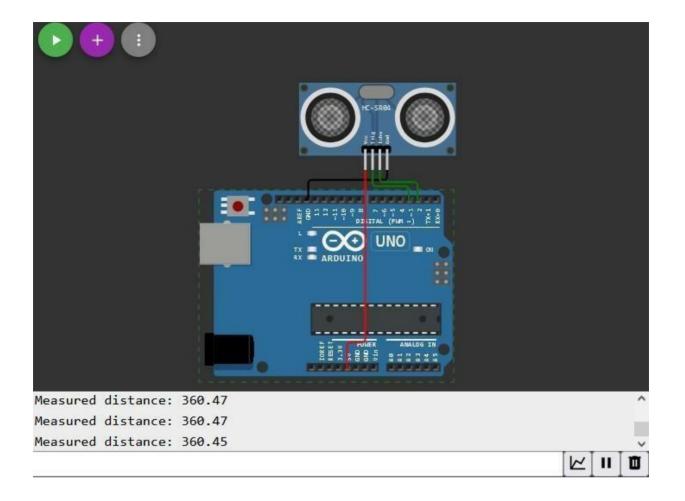
AssignmentDate	26October2022
TeamID	PNT2022TMID15087
ProjectName	GasLeakagemonitoring&AlertingsystemforInd ustries
MaximumMarks	2Marks

Write code and connect ons in wokwi for u trasonic. Whenever d stanceisless than 100 cms send "alert" to ibm cloud and display in devicerecentevents.

Soluton:

```
#defineECHO_PIN2
#defineTRIG_PIN3
#defineorganization="mmbh4c"#definedevic
еТуре
="Ultrasonic"#definedeviceId="1112"#defin
eauthMethod="use-token-
auth"#defineauthToken="123456789"
voidsetup()
  {Serial.begin(9600);pinMode(TRIG_PIN,
  OUTPUT);pinMode(ECHO_PIN,INPUT
```

```
delayMicroseconds(2);digitalWrite(TRIG_PI
  HIGH);delayMicroseconds(10);digitalWrite(
  TRIG_PIN,LOW);
  intduration=pulseIn(ECHO_PIN,HIGH);
  returnduration*0034/2;
voidloop(){
  float distance
 =readDistanceCM();if(distance<=100)
   Serial.println("persondetected");
 else{Serial.print("Measureddistance:");
 Serial.println(readDistanceCM());
  delay(100);
```



IBMCloud Devicerecentevents

