ASSIGNMENT – 4

Write a 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.

Code:

```
Const int TRIG_PIN=7;
Const int ECHO_PIN=8;
Const unsigned int MAX-DIST=23200;
Void setup(){
Pin Mode(TRIG-PIN,OUTPUT);
Digital Write(TRIG-PIN,LOW);
pinMode(ECHO_PIN,INPUT);
Serial.begin(9600);
}
Void loop(){
Unsigned long t1;
Unsigned long t2;
Unsigned long pulse_width;
float cm;
float inches;
digitalWrite(TRIG_PIN,HIGH);
delayMicroseconds(10);
digitalWrite(TRIG PIN,LOW);
While(digitalRead(ECHO PIN)==0);
t1=micros();
```

