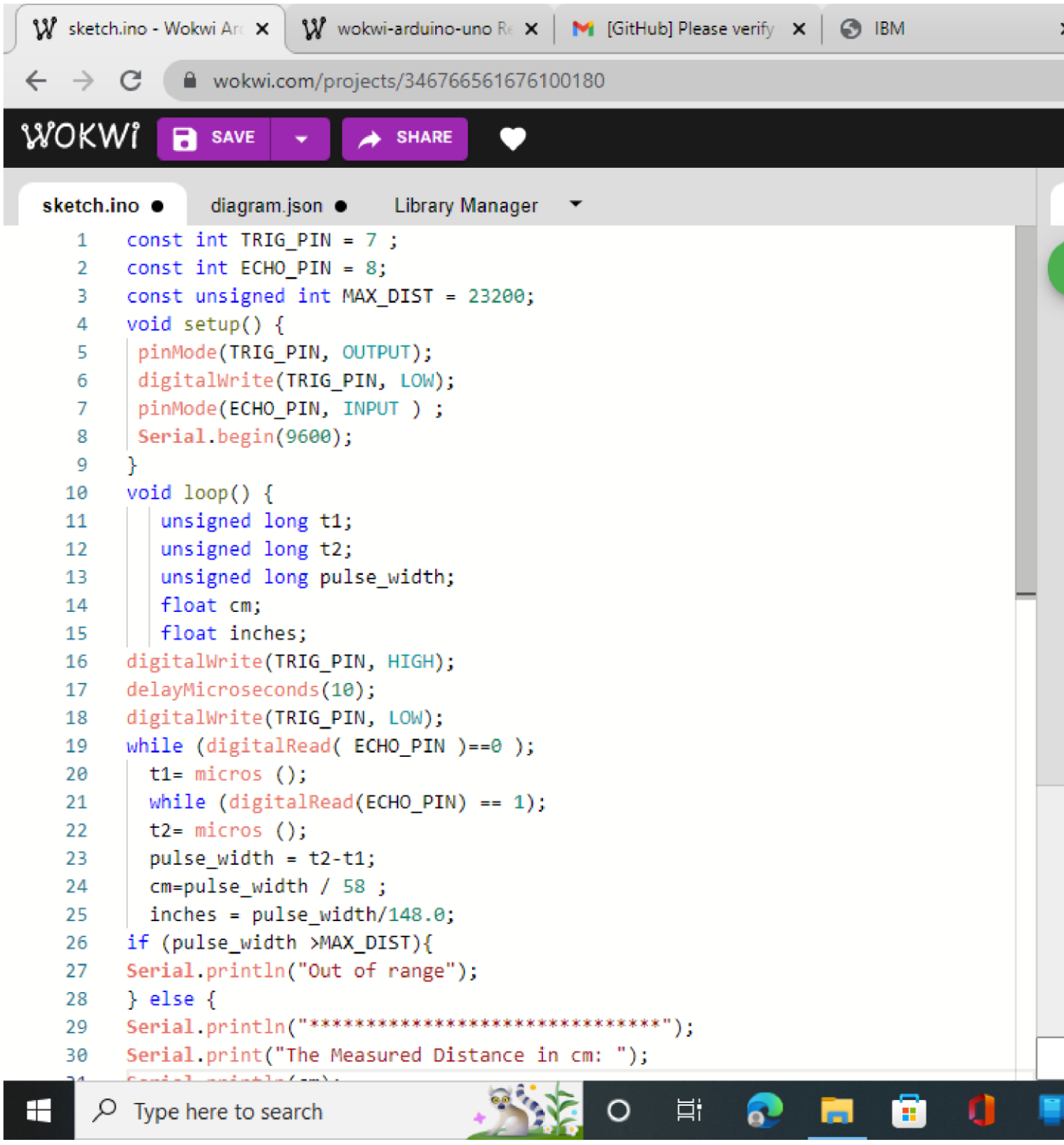
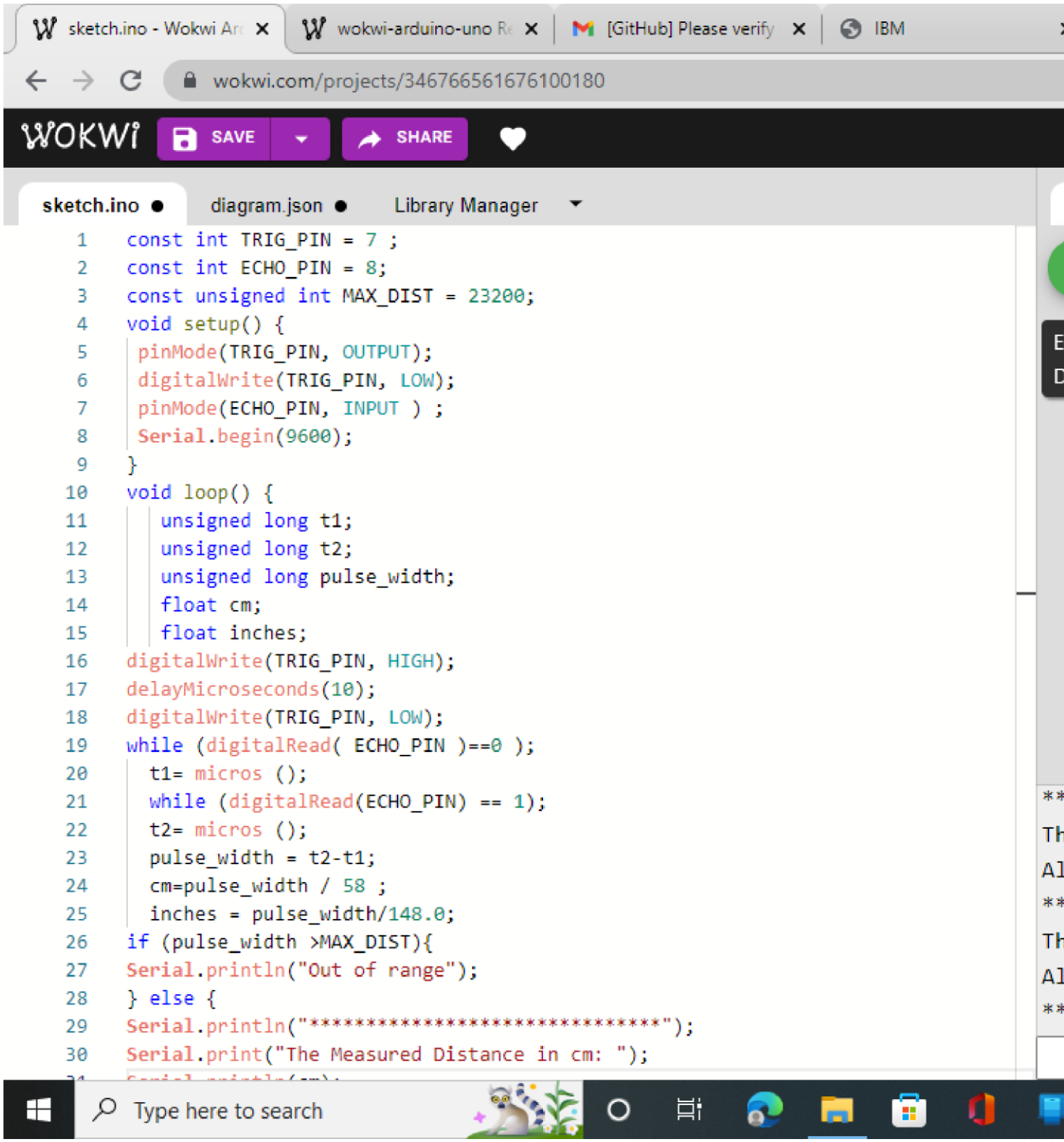
CONNECTION IN WOKWI FOR THE ULTRASONIC SENSOR


sketch.ino - Wokwi Ar
wokwi-arduino-uno R
[GitHub] Please verify
IBM
wokwi.com/projects/346766561676100180
WOKWI
SAVE
SHARE
sketch.ino
diagram.json
Library Manager
const int TRIG_PIN = 7 ;
const int ECHO_PIN = 8;
const unsigned int MAX_DIST = 23200;
void setup() {
pinMode(TRIG_PIN, OUTPUT);
digitalWrite(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 ();
while (digitalRead(ECHO_PIN) == 1);
t2= micros ();
pulse_width = t2-t1;
cm=pulse_width / 58 ;
inches = pulse_width/148.0;
if (pulse_width >MAX_DIST){
Serial.println("Out of range");
} else {
Serial.println("******************************");
Serial.print("The Measured Distance in cm: ");
Type here to search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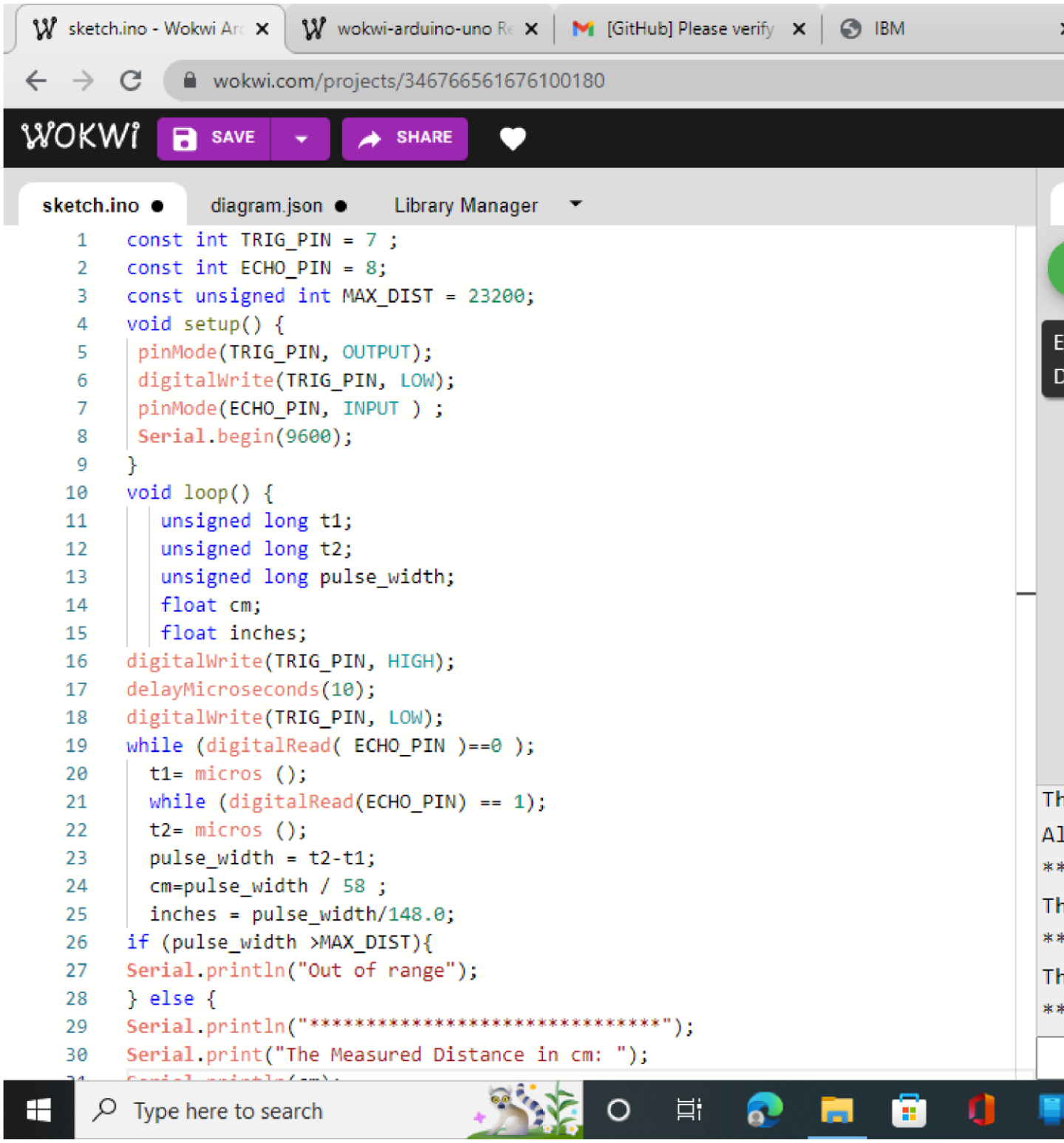
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CODING:

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digitalWrite(TRIG_PIN, LOW);
pinMode(ECHO_PIN, INPUT ) ;
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}  void loop() {    unsigned long t1;
unsigned long t2;      unsigned long
pulse_width;     float cm;      float
inches;  digitalWrite(TRIG_PIN,
HIGH);   delayMicroseconds(10);
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(digitalRead( ECHO_PIN )==0 );    t1=
micros ();    while
(digitalRead(ECHO_PIN) == 1);
t2= micros ();       pulse_width =
t2-t1;    cm=pulse_width / 58 ;
inches = pulse_width/148.0;  if
(pulse_width >MAX_DIST){
Serial.println("Out of range");
} else {
Serial.println("******************************");
Serial.print("The Measured Distance in cm: ");
Serial.println(cm);  if( cm < 100 ){
       Serial.println("Alert!!");
}
Serial.print("**********************************");
}  delay(1000);
}
```