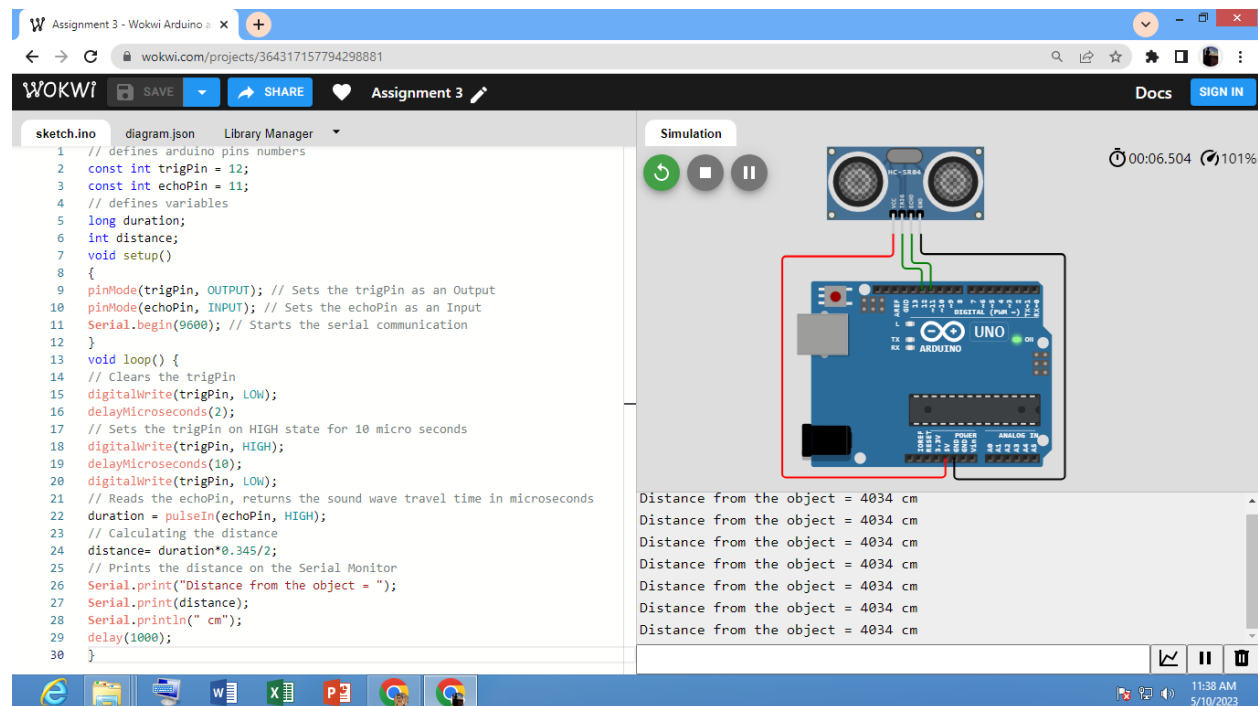


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<https://wokwi.com/projects/364317157794298881>



SKETCH.INFO

```
// defines arduino pins numbers
const int trigPin = 12;
const int echoPin = 11;
```

```
// defines variables
long duration;
int distance;
void setup()
{
  pinMode(trigPin, OUTPUT); // Sets the trigPin as an
  Output
  pinMode(echoPin, INPUT); // Sets the echoPin as an
  Input
  Serial.begin(9600); // Starts the serial
  communication
}
void loop() {
  // Clears the trigPin
  digitalWrite(trigPin, LOW);
  delayMicroseconds(2);
  // Sets the trigPin on HIGH state for 10 micro
  seconds
  digitalWrite(trigPin, HIGH);
  delayMicroseconds(10);
  digitalWrite(trigPin, LOW);
  // Reads the echoPin, returns the sound wave travel
  time in microseconds
  duration = pulseIn(echoPin, HIGH);
  // Calculating the distance
  distance= duration*0.345/2;
  // Prints the distance on the Serial Monitor
  Serial.print("Distance from the object = ");
  Serial.print(distance);
  Serial.println(" cm");
  delay(1000);
}
```